

Fig. 2

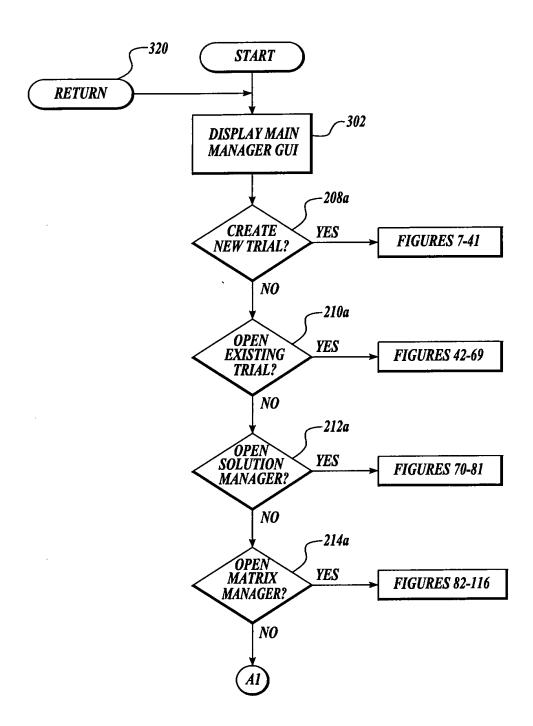
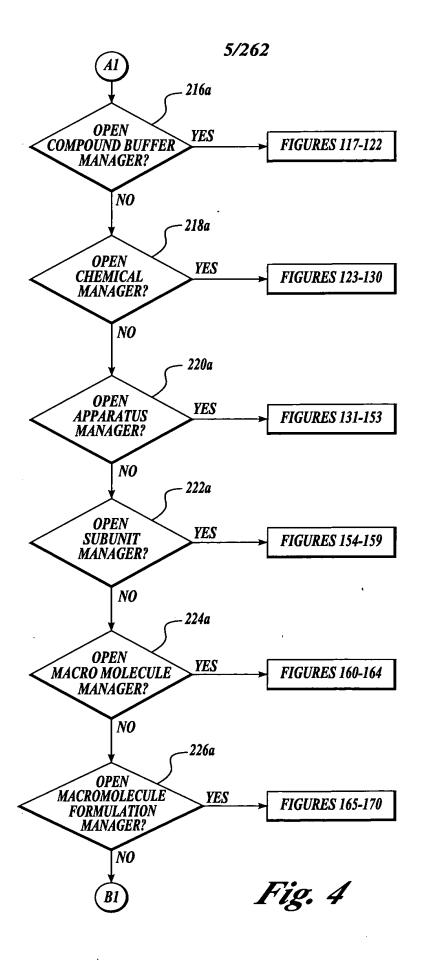


Fig. 3



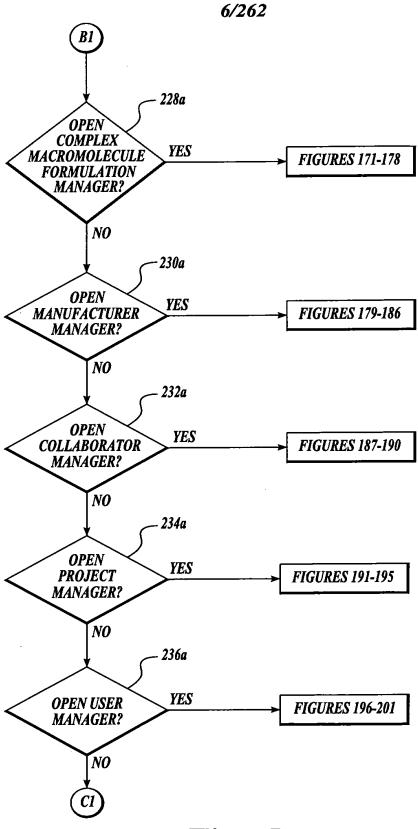


Fig. 5

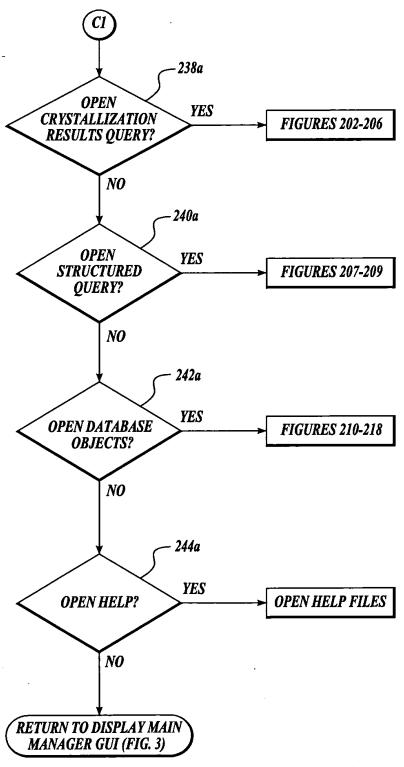


Fig. 6

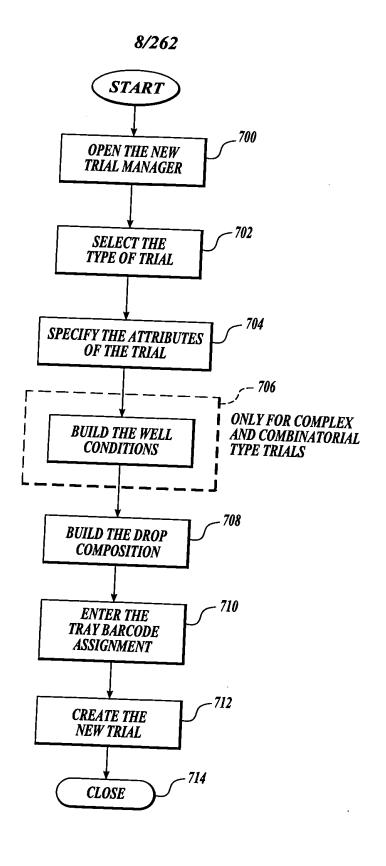


Fig. 7

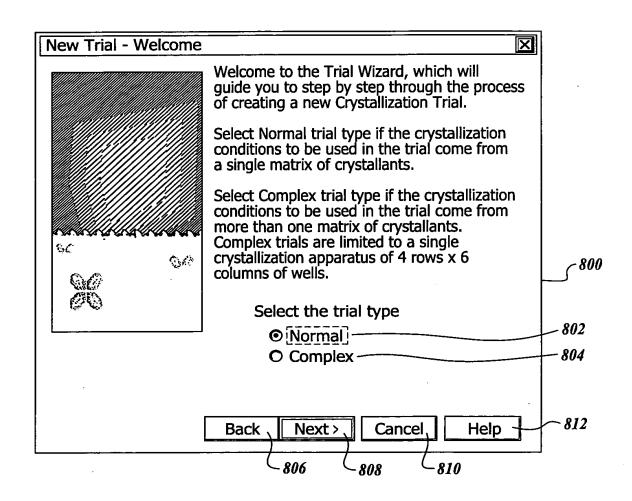


Fig. 8

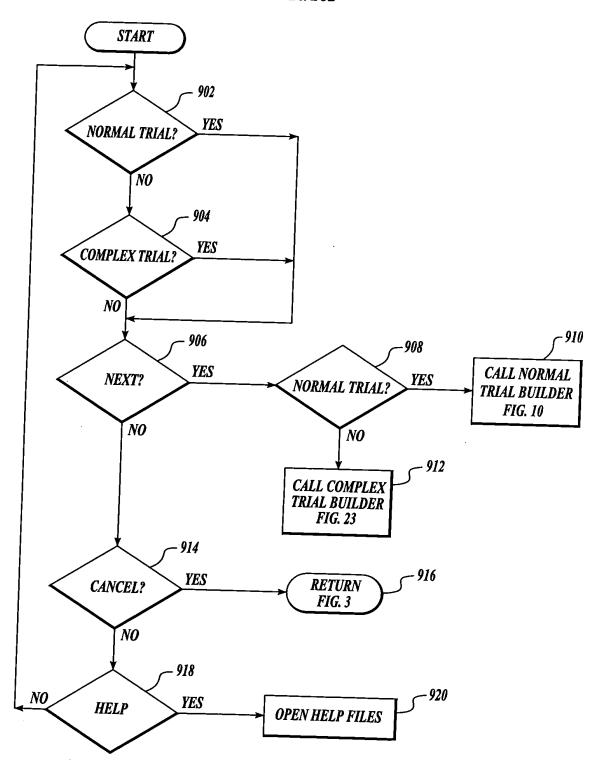
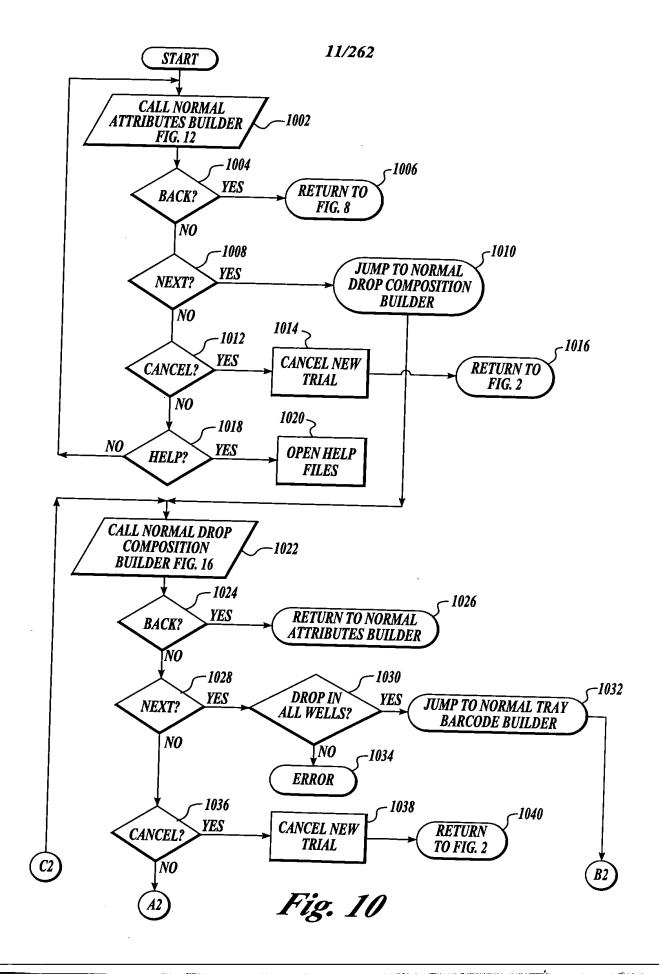


Fig. 9



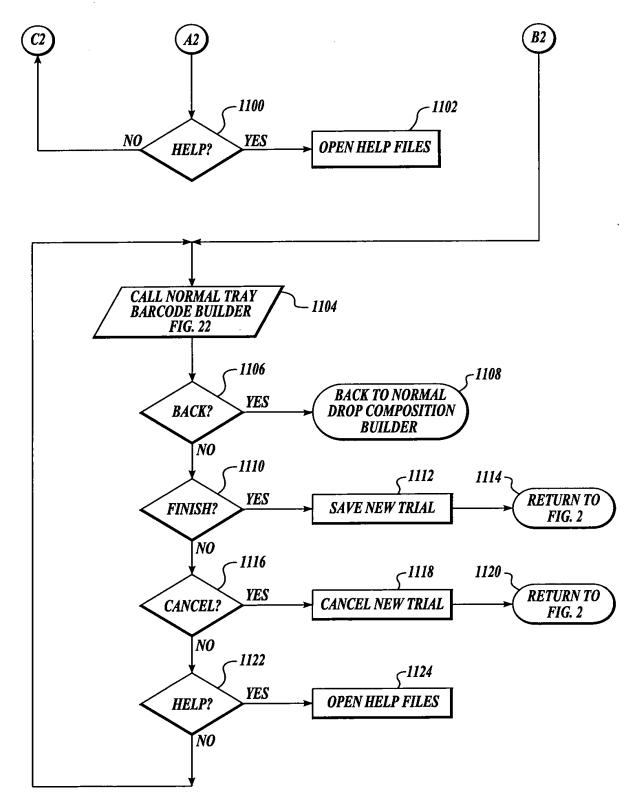


Fig. 11

Land - Maria Art Maria and Land Art Maria

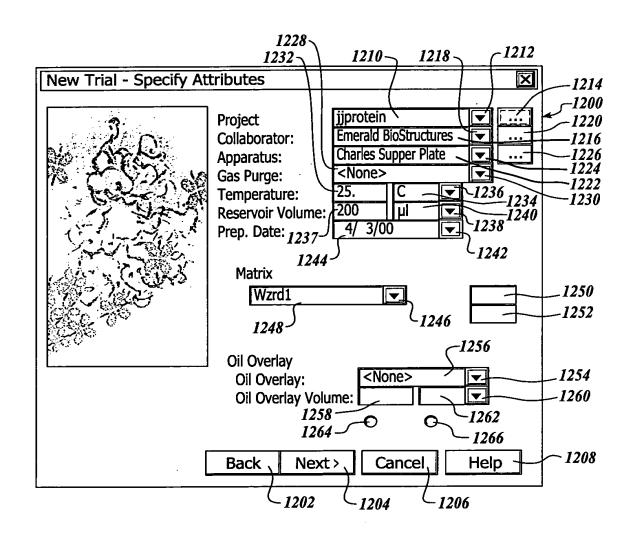
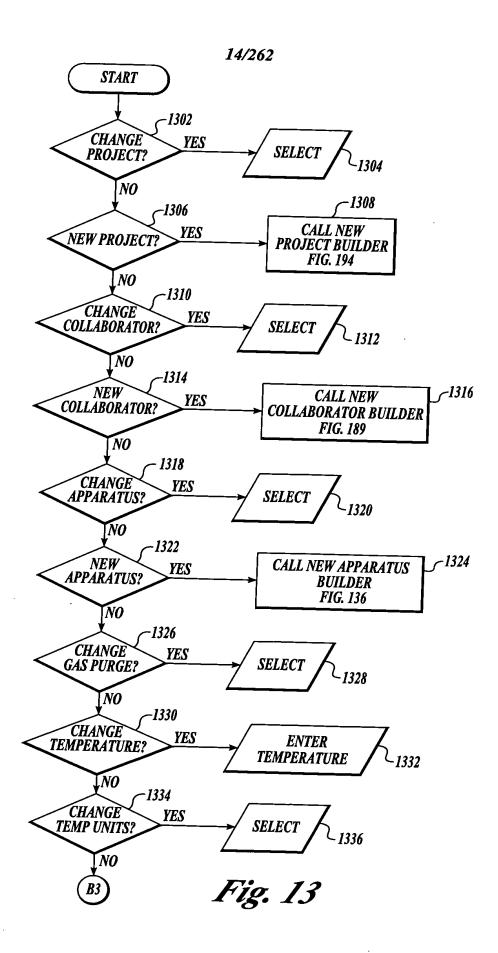
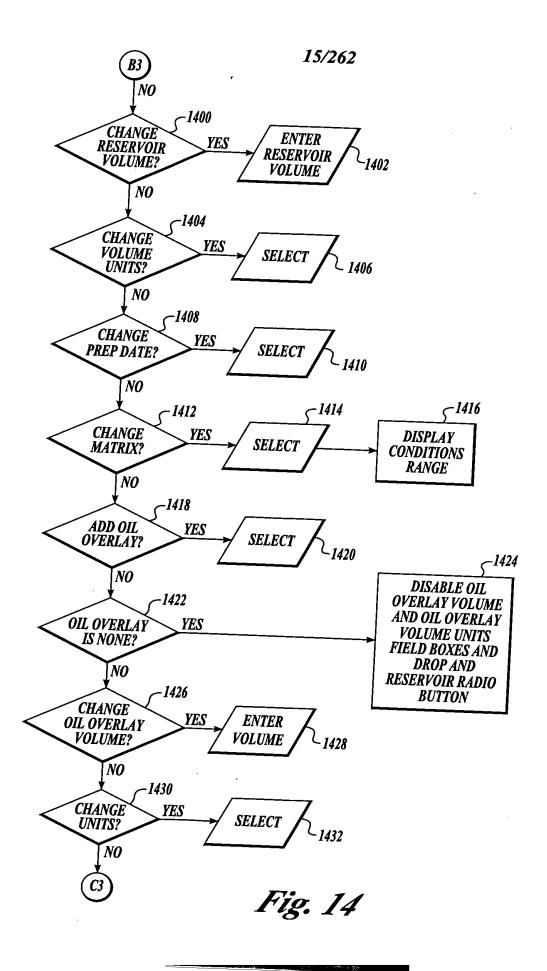


Fig. 12





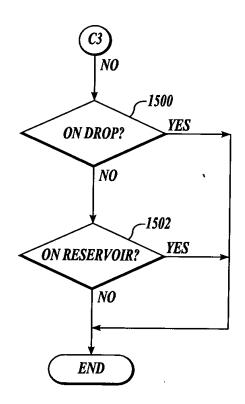


Fig. 15

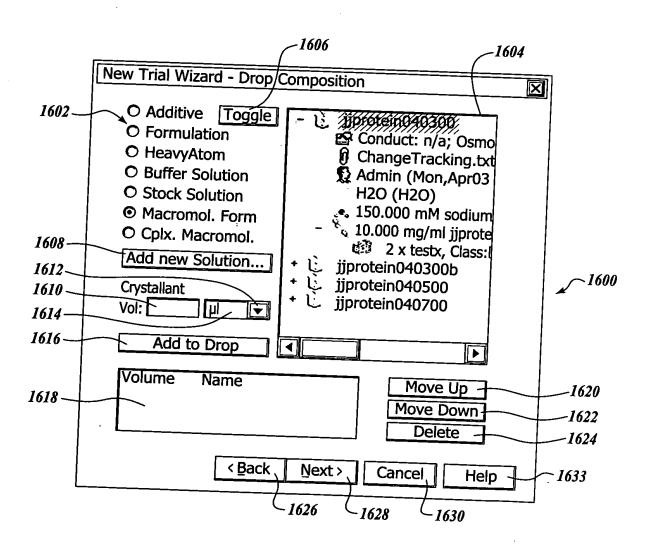
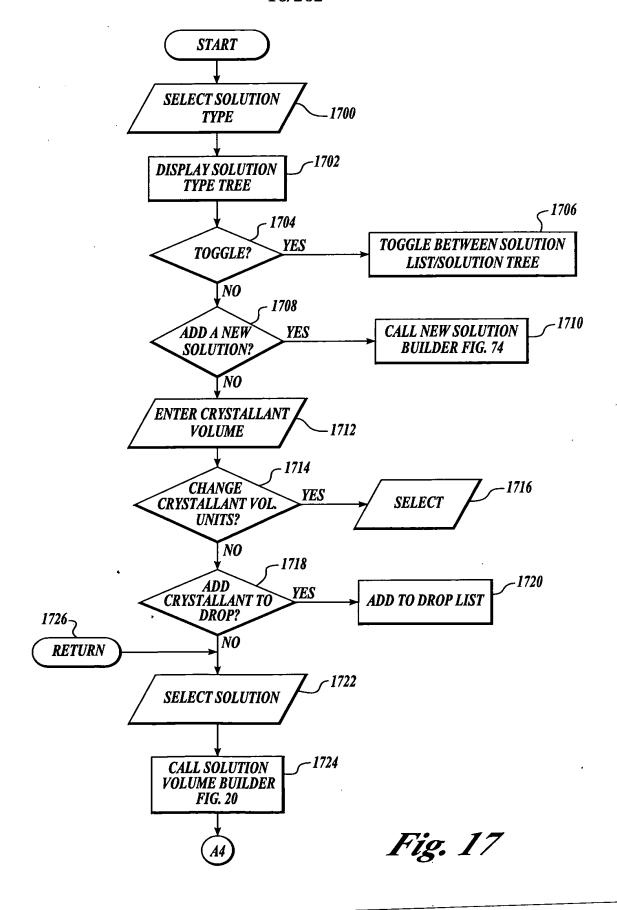
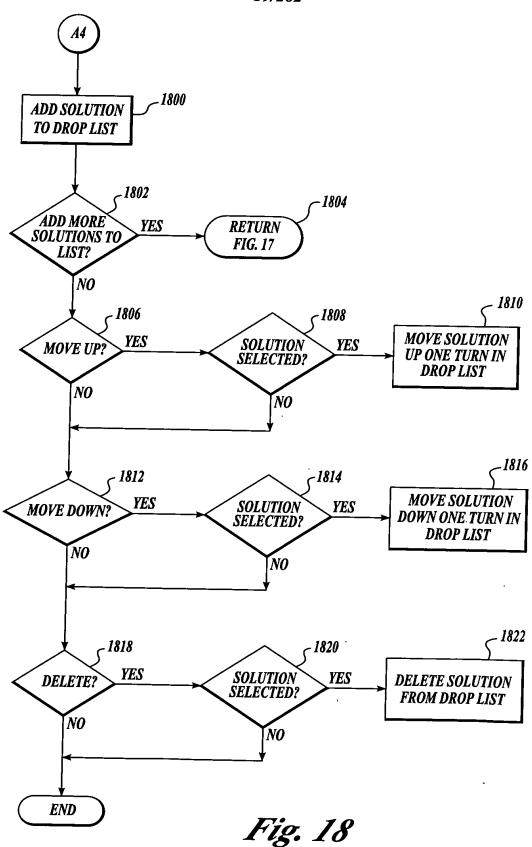
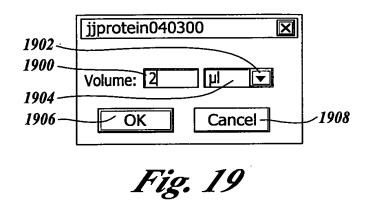


Fig. 16







**START** C 2000 ENTER SOLUTION **VOLUME** 2004 2002 CHANGE YES **SELECT VOLUME UNITS?** NO 2008 C 2010 C 2006 YES RETURN TO CALLER **ENTER SOLUTION** OK? **VOLUME** NO 2014\_ **2016** C 2012 YES **CANCEL SOLUTION** RETURN TO CALLER CANCEL? **VOLUME** NO

Fig. 20

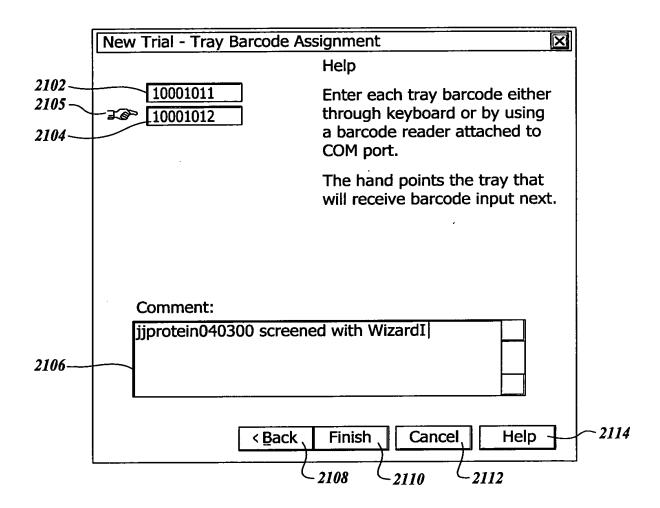


Fig. 21

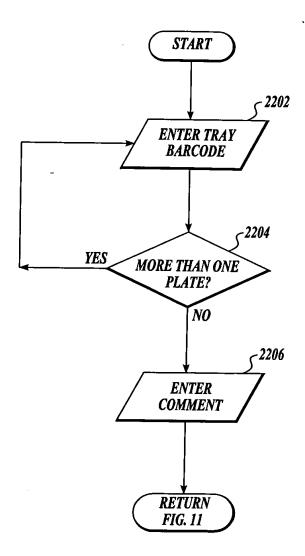


Fig. 22

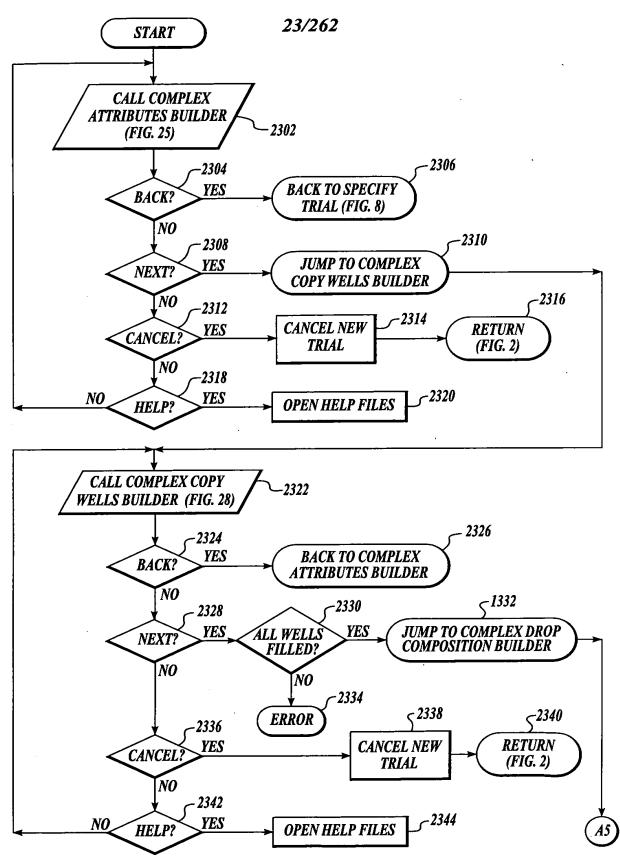
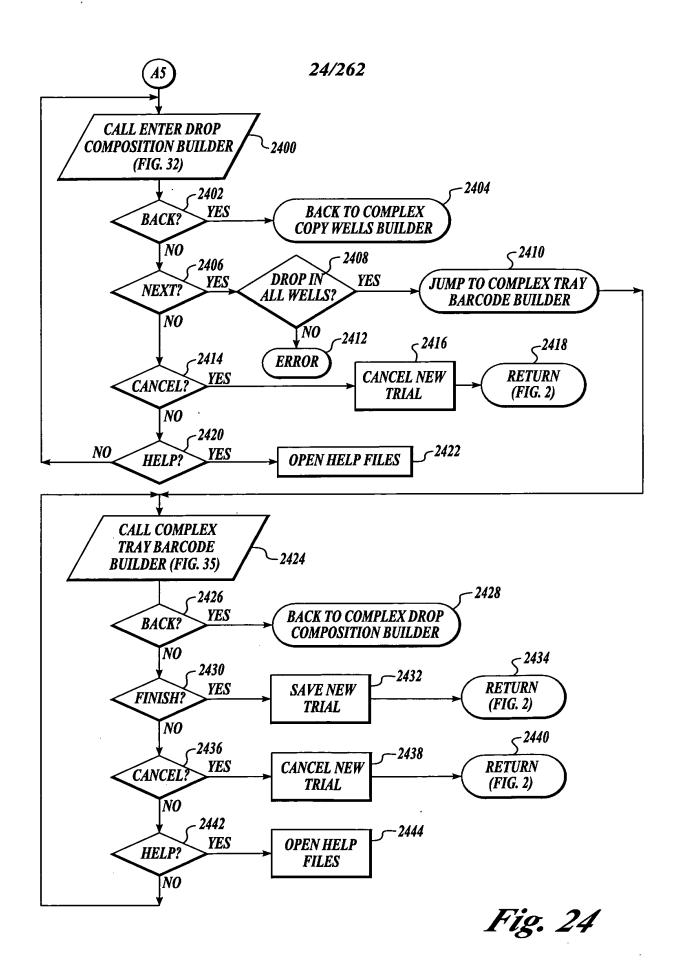


Fig. 23



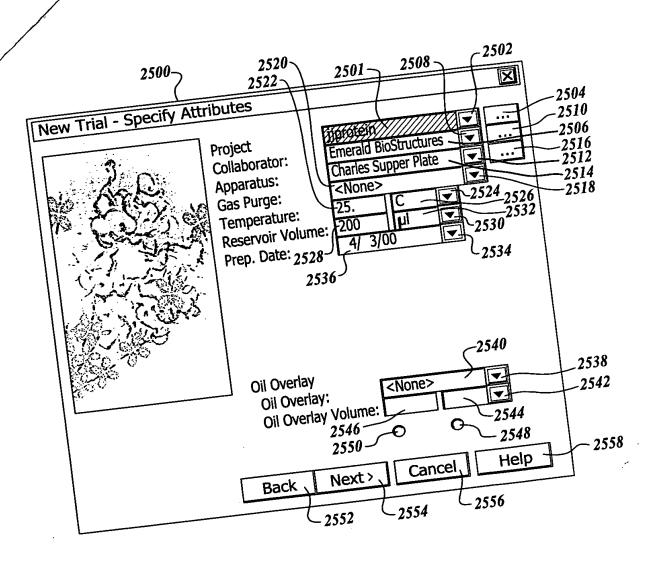
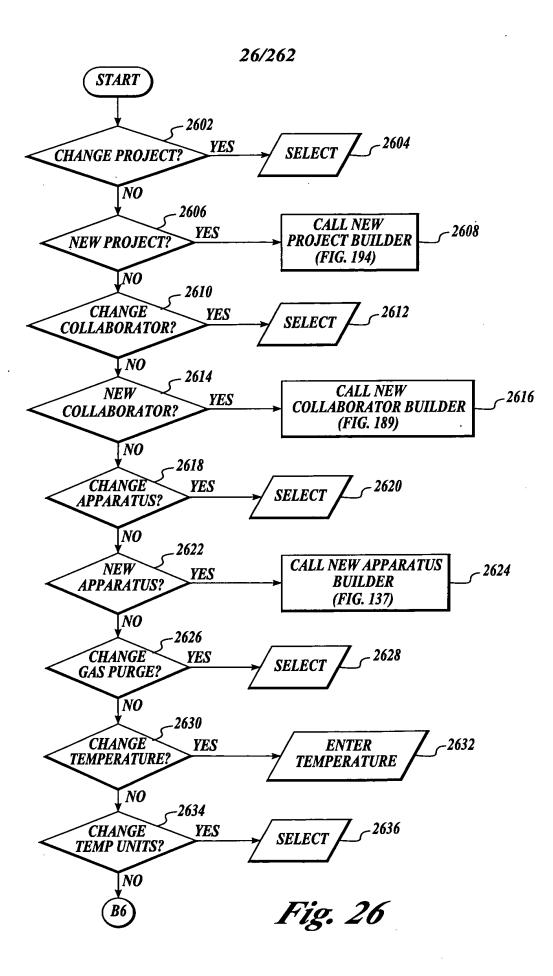
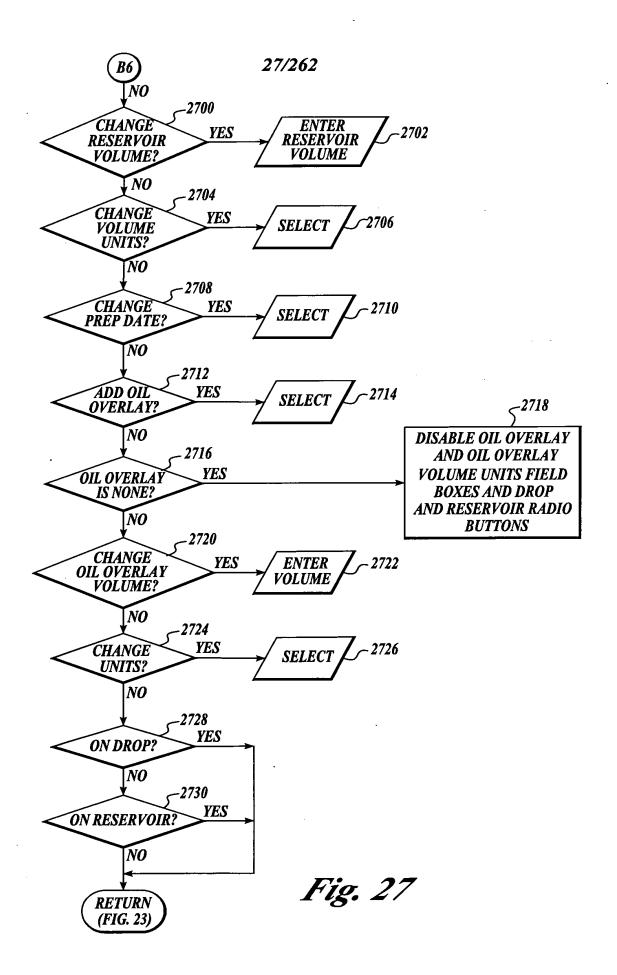


Fig. 25





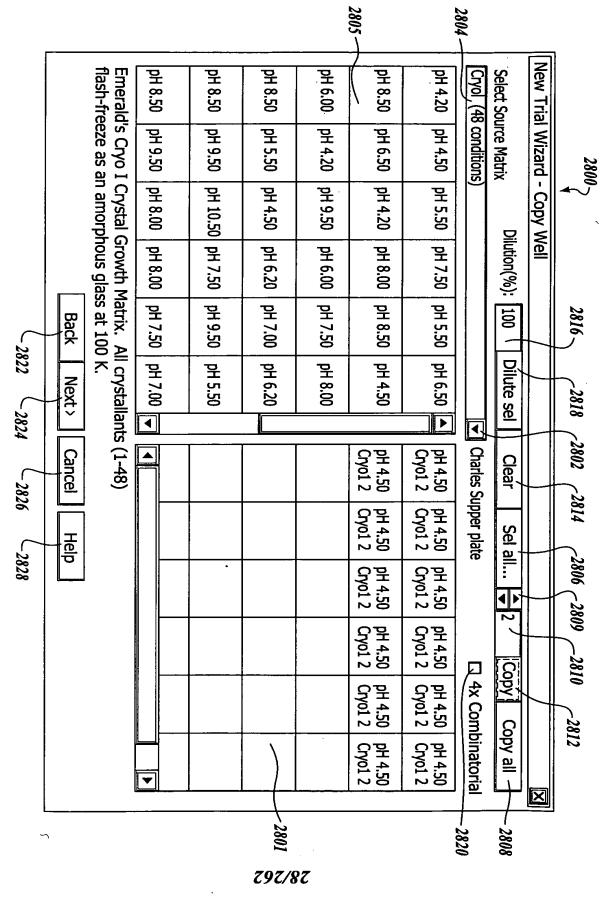


Fig. 28

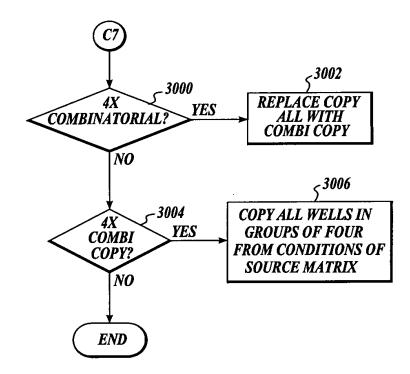


Fig. 30

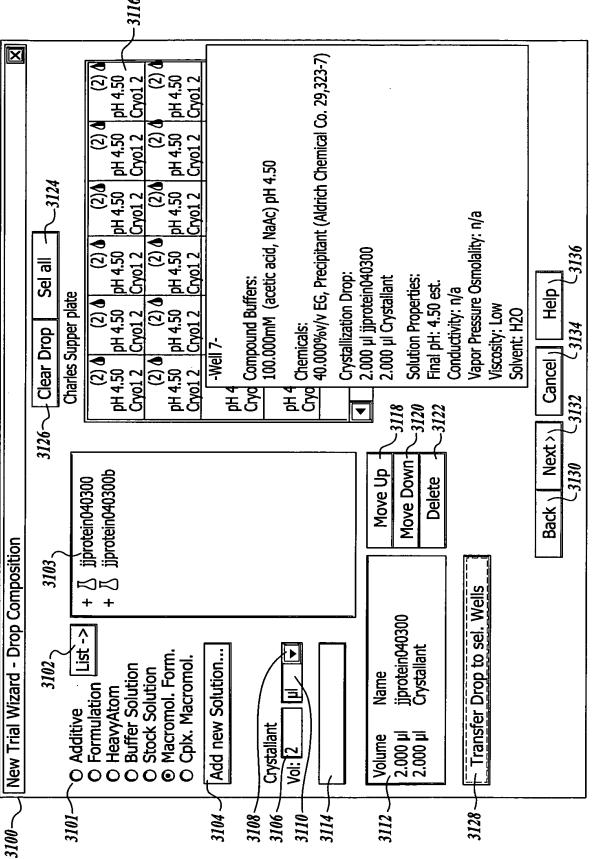
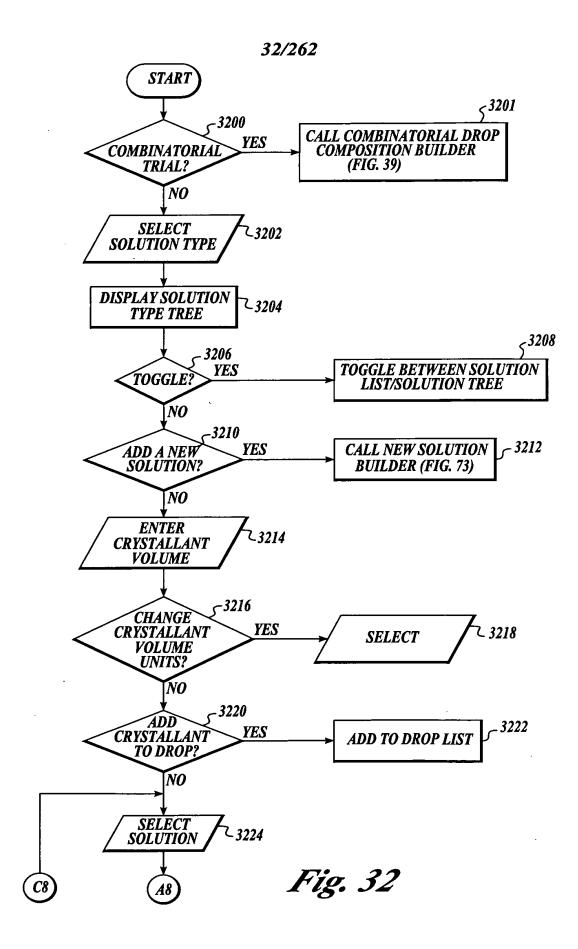
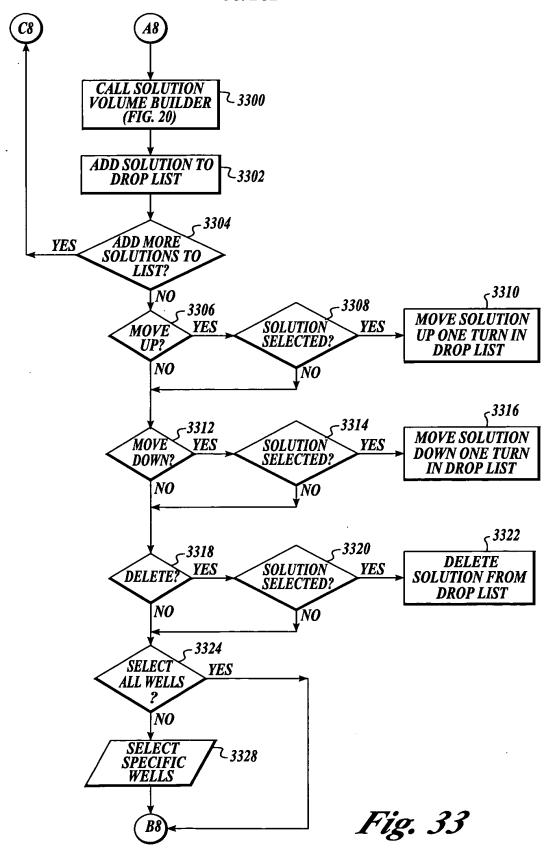
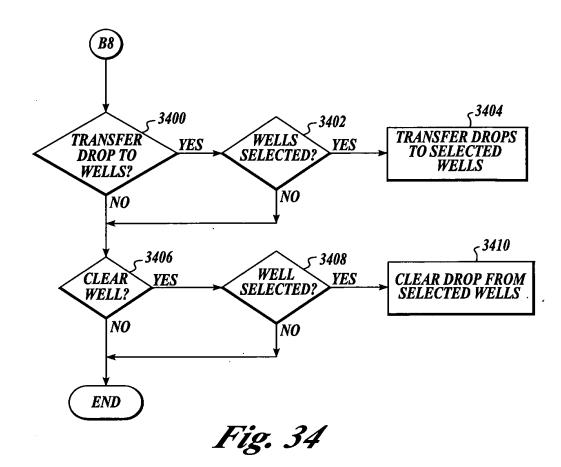
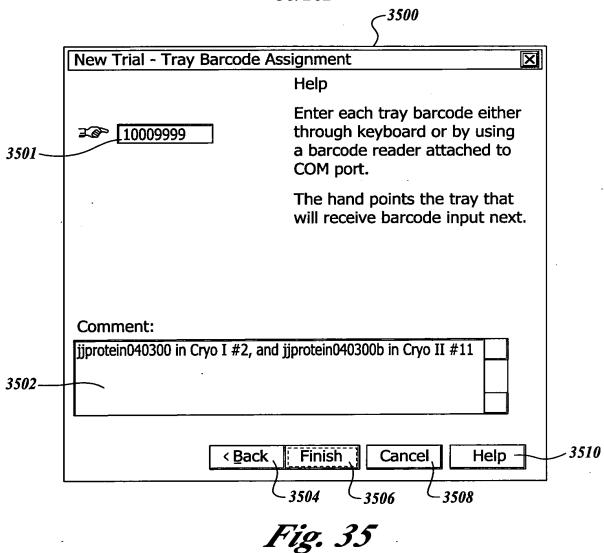


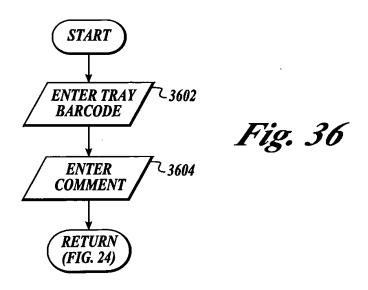
Fig. 31







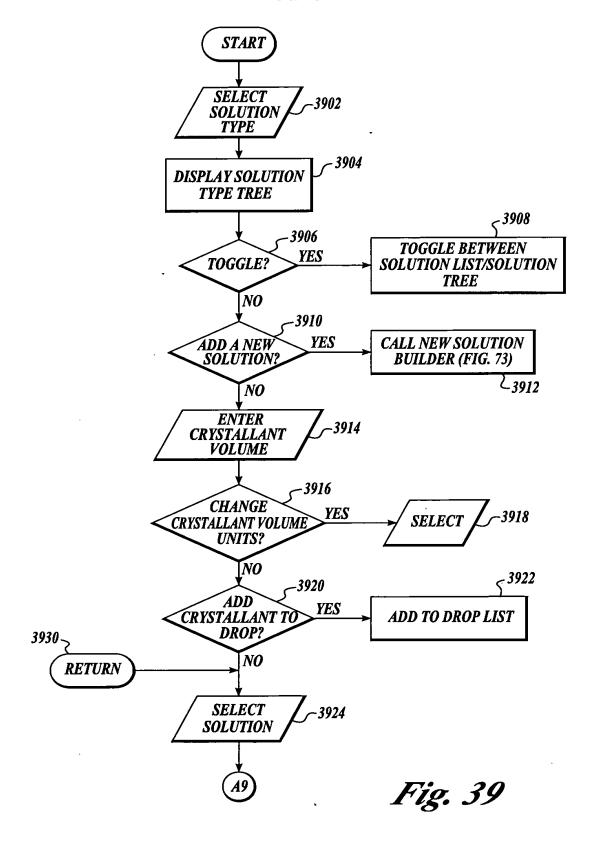


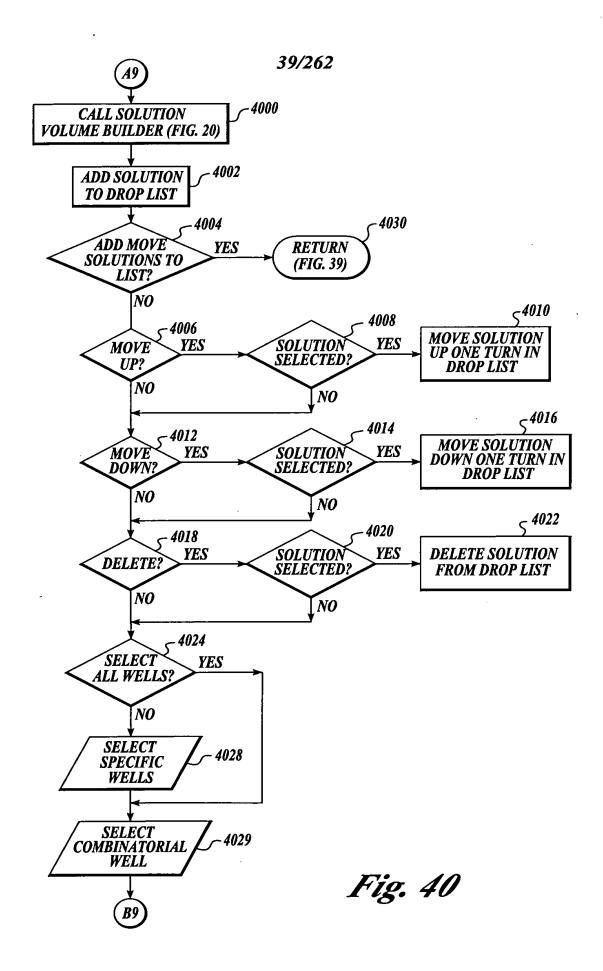


		-3704		2703	70/5/	36/	262						
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3706		4x Combi Copy	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	pH 9.50 Wzrd1 3	pH 9.50 Wzrd1 3	pH 4.50 Wzrd1 9	pH 4.50 Wzrd1 9	pH 8.00 Wzrd1 15	<b>⊣</b>				
				pH 9.50 Wzrd1 3	pH 9.50 Wzrd1 3	pH 4.50 Wzrd1 9	pH 4.50 Wzrd1 9	pH 8.00 Wzrd1 15					
		Copy		pH 7.50 Wzrd1 2	pH 7.50 Wzrd1 2	pH 5.50 Wzrd1 8	pH 5.50 Wzrd1 8	pH 6.50 Wzrd1 14					
			VDX plate 4x combi	pH 7.50 Wzrd1 2	pH 7.50 Wzrd1 2	pH 5.50 Wzrd1 8	pH 5.50 Wzrd1 8	pH 6.50 Wzrd1 14				-3716	
		Sel all		pH 9.50 Wzrd1 1	pH 9.50 Wzrd1 1	pH 6.00 Wzrd1 7	pH 6.00 Wzrd1 7	pH 6.50 Wzrd1 13			Help		
		Clear		pH 9.50 Wzrd1 1	pH 9.50 Wzrd1 1	pH 6.00 Wzrd1 7	pH 6.00 Wzrd1 7	pH 6.50 Wzrd1 13	▼		Cancel	(3714	Fig. 37
		Sel	Þ							natrix (		-3712	719
37007	New Trial Wizard - Copy Well	Dilution(%): 100 Dilute sel	Wzrd1 (48 conditions)	pH 5.50	pH 8.00	pH 8.00	pH 7.00	pH 4.50	PH 8.00	sparse r	Back Next >	3710	
				рН 10.50	рН 6.00	pH 4.50	рн 8.00	pH 9.50	pH 4.50	vth Matrix. A random sparse matrix of		(3)	
				pH 8.00	рн 7.00	рН 6.20	pH 8.50	pH 7.50	pH 8.00		<b>_</b>		
		Select Source Matrix		pH 9.50	pH 4.50	pH 8.00	pH 7.50	рН 10.50	pH 10.50	Emerald's Wizard I Crystal Growth Matrix. crystallants (1-48).		i i i i i i i i i i i i i i i i i i i	
				pH 7.50	pH 5.50	pH 6.50	рн 8.00	pH 9.50	pH 6.20	Wizard I C ts (1-48).			
				pH 9.50	рн 6.00	pH 6.50	рн 7.00	рн 8.50	pH 4.20	Emerald's Wizard I crystallants (1-48)			
•		-			3708						<del></del>	J	

	-3802									•	• //	20.									
×			1																		
			](z) (	pH 9.50	(C)	<u>포</u> 9.	Wzrd1 3	(2)	M7rd 1 0	(2)	pH 4.50	Wzrd1 9	(2)	pH 8.00	Wzrd1 15	рн 8.00	Wzrd1 15				
	3801	)	-	PH 9.50		PH 9.50	Wzrd13	(2) <b>√</b>	M7rd 1 0	(2)	pH 4.50	Wzrd1 9	(2) ₽	PH 8.00	Wzrd1 15	DH 8.00					
	$\begin{bmatrix} 3801 \end{bmatrix}$	ļ. ·		pH 7.50	(3)	pH 7.50	Wzrd1 2	(2)	Ward 8		PH 5.50	Wzrd1 8	(2)	pH 6.50	Wzrd1 14	pH 6.50	Wzrd1 14				
	Sel all		<b>(3)</b>	pH 7.50		pH 7.50		(2) <b>(</b> 2) <b>(</b> 2) <b>(</b> 3) <b></b>	Ward 8	(2)	pH 5.50	Wzrd1 8	(2) ₽	pH 6.50	Wzrd1 14	DH 6.50	Wzrd1 14			Heln	3810
	Drop	lover	(2)		(C)		Wzrd1 1	(2)	M2rd1 7		PH 6.00	Wzrd1 7	(2)	pH 6.50	Wzrd1 13	pH 6.50	Wzrd1 13			L	-3808 -3808
	Clear Drop	CombiClover		pH 9.50	(2)	PH 9.50	Wzrd1 1	<b>(</b> 2) <b>(</b> 2) <b>(</b> 2) <b>(</b> 3) <b>(</b> 3) <b>(</b> 3)	PH 5.00	(3)	PH 6.00	Wzrd1 7	(2) ₽	pH 6.50	Wzrd1 13	PH 6.50	Wzrd1 13	<b>▼</b>		Cance	3806
New Trial Wizard - Drop Composition		⊨	tion List 7	O HeavyAtom (#) wer	ו≺כ	<u>-</u>	C Cpix. Macromol.	Add new Solution		_ Crystallant	Vol:  2	A44 to Door	dolo or nov		Volume Name Move Up	2.00 µl yyz4810 Move Down	Crystallant		Transfer Drop to sel. Wells	Back \ Next >\	-3804

Fig. 38





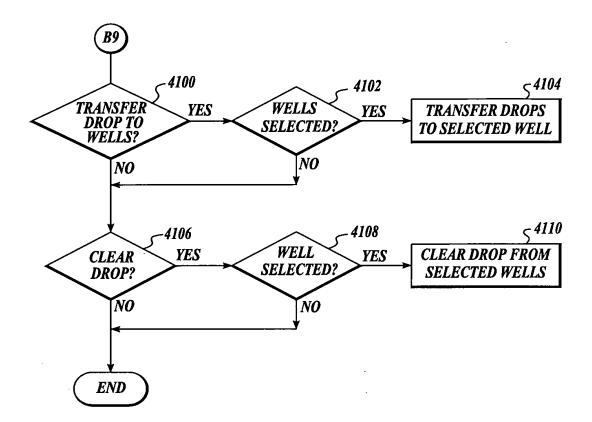
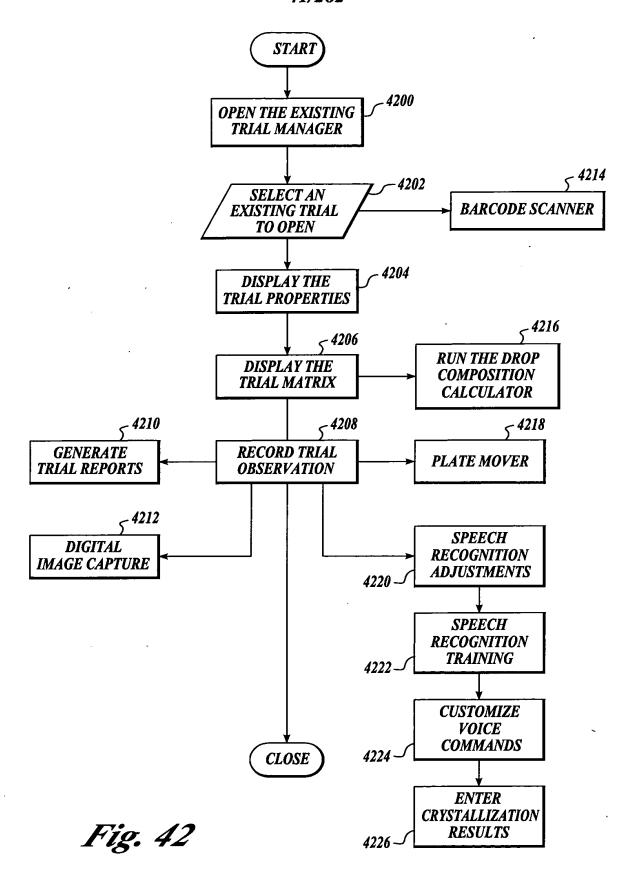


Fig. 41



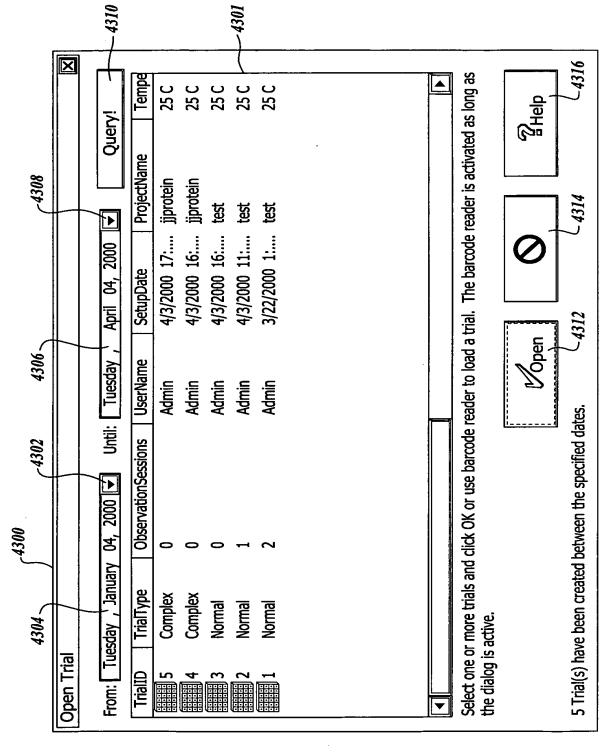


Fig. 43

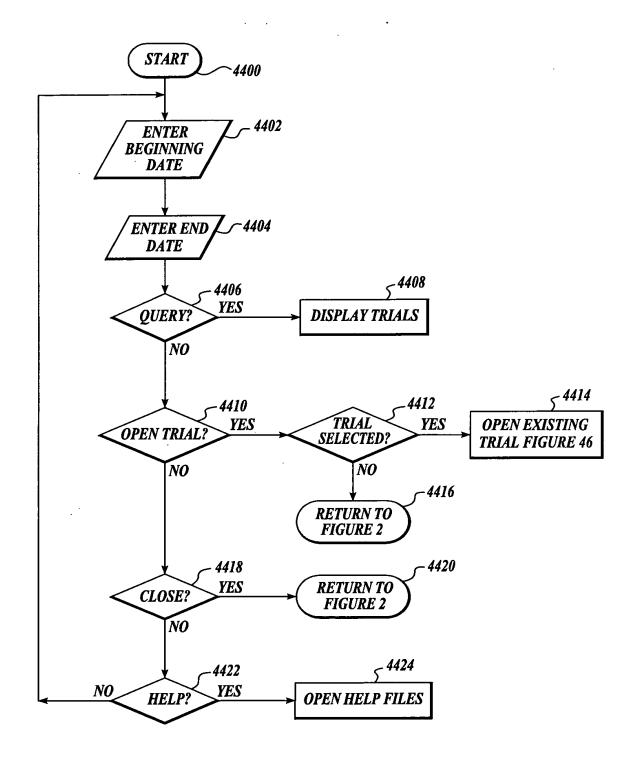


Fig. 44

Crystal Monitor - Admin logged on with 'A File Crystal Monitor View Tools File Crystal Monitor View Tools  File Crystal Monitor View Tools  Trial Properties	Admin logged on with 'Admin' permission to database 'crymon' - [Trial #3]  Admin logged on with 'Admin' permission to database 'crymon' - [Trial #3]  Admin logged on with 'Admin' permission to database 'crymon' - [Trial #3]  Admin Recording  Mon Apr 03, 2000 Update Trial properties
--	--

Fig. 45

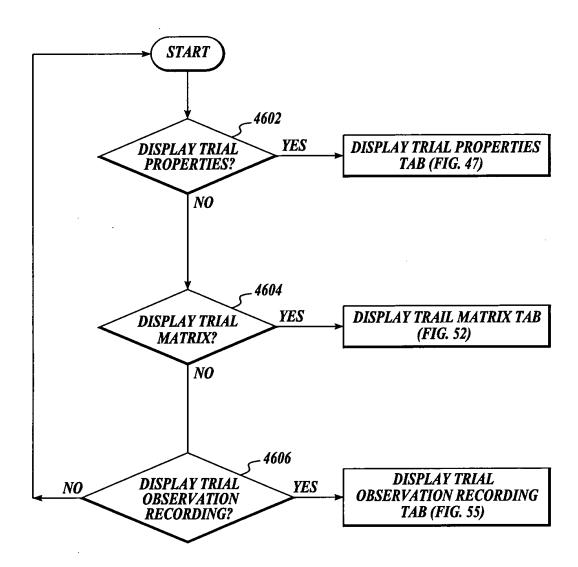
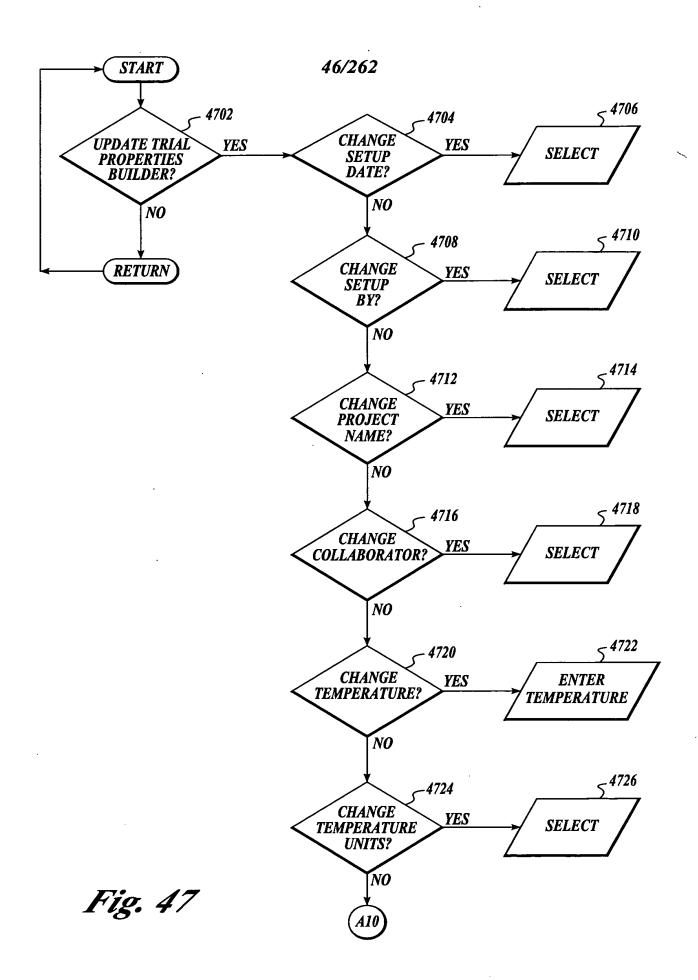


Fig. 46



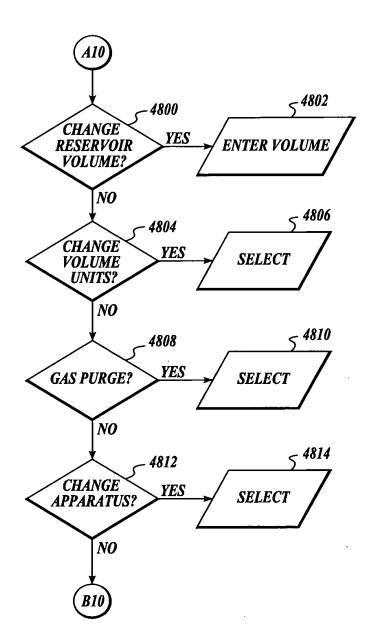


Fig. 48

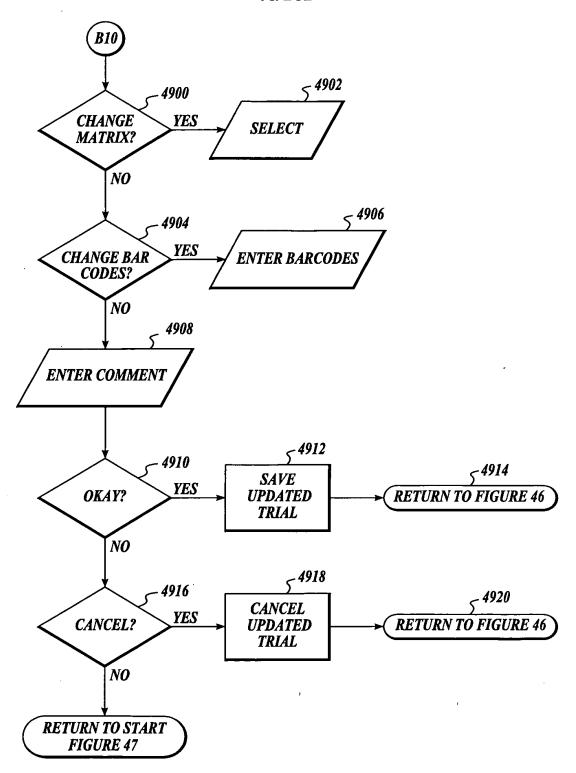


Fig. 49

2000	Crystal Monitor - Admin logged on with 'Admin' permission to database 'crymon' - [Trial #3]	XOC
	File Crystal Monitor View Tools Window Help	
		る。
	Trial Properties 镧 Trial Matrix 🥵 Trial Observation Recording	
2005		
	рн 5.50 рн 4.50 рн 7.00 рн 6.00 рн 8.00	
	-Well 8-	
	pH 6.00 pH 6 Compound Buffers: uctures, citric acid) pH 5.50	s, Inc.
	Chemicals:  Chemicals:  DH 6.00 DH 8   2000.000 Mm (NH4)2 sulfate, Precipitant (Sigma Chemical Co. A2939)	y varied);
	Crystallization Drop: 2.000 µl jiprotein040300	atically varied);
	H	
	Solution Properties:  A Final pH: 5.50 est.  Solution Properties:  ard Cry  pH 6.50 pH 6  Conductivity: n/a	ard Crystal Growth Matrix se matrix of crystallants
2004 —	Viscosity: Low Solvent: H2O	

Fig. 50

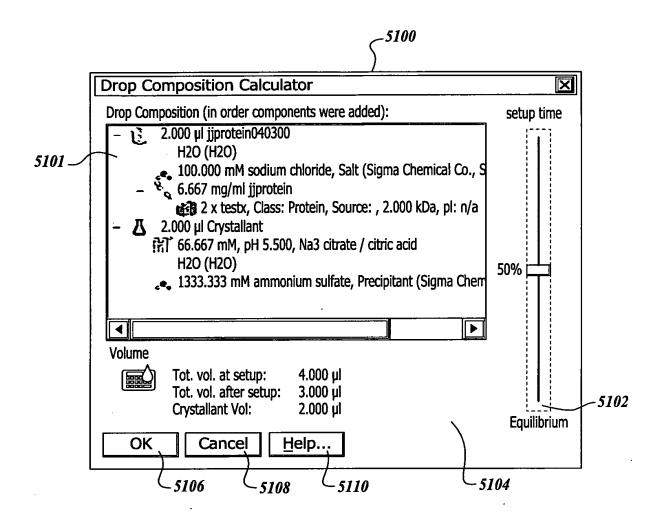


Fig. 51

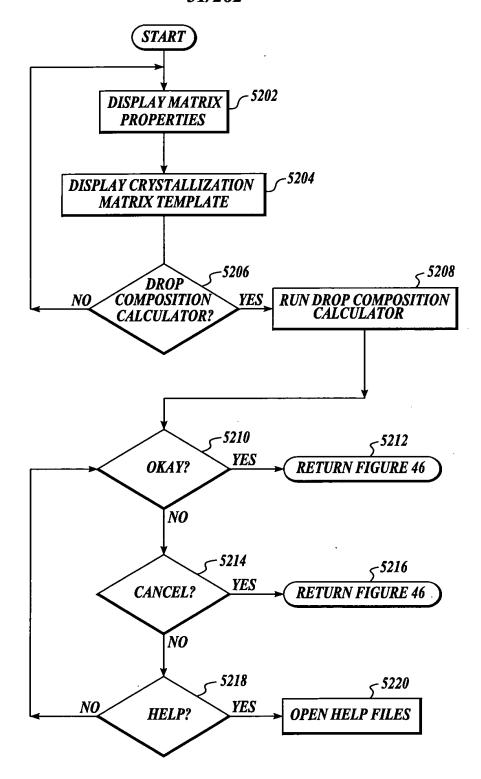


Fig. 52

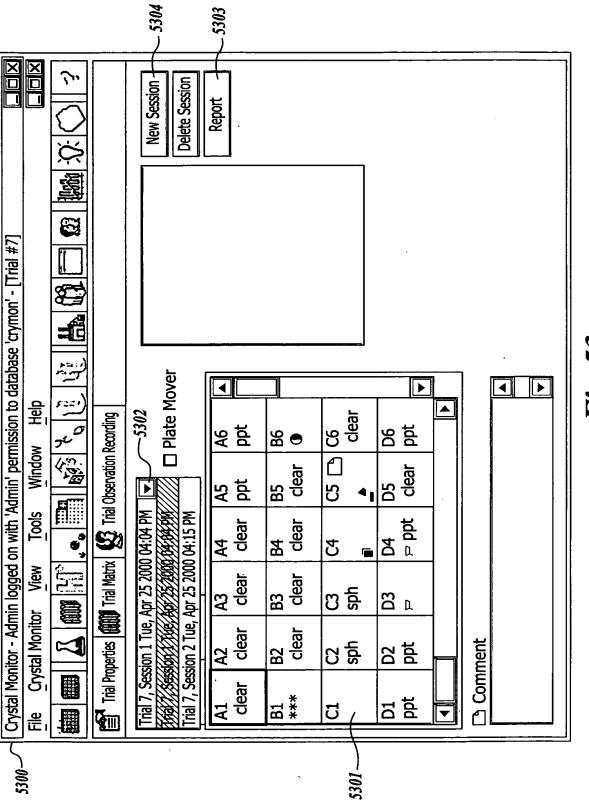
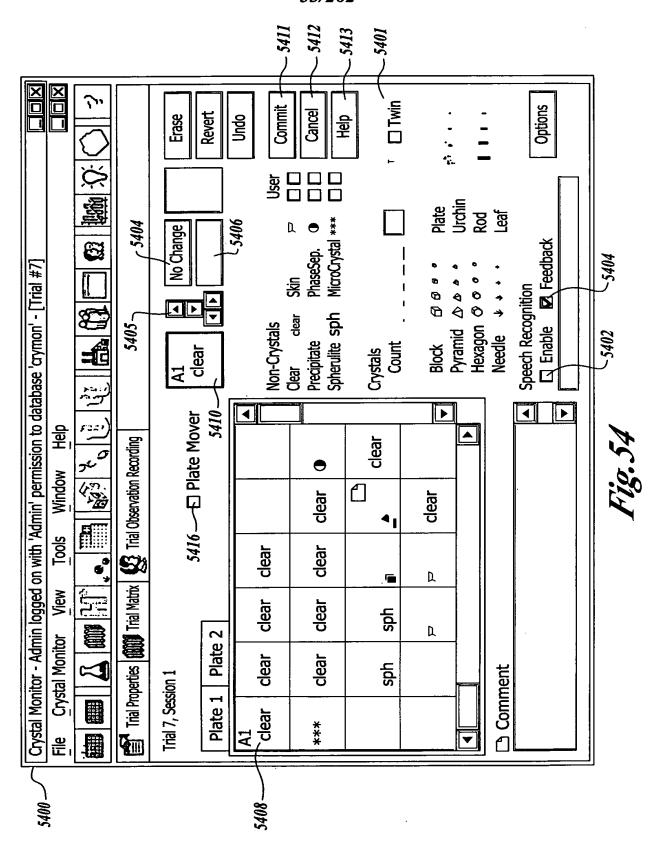
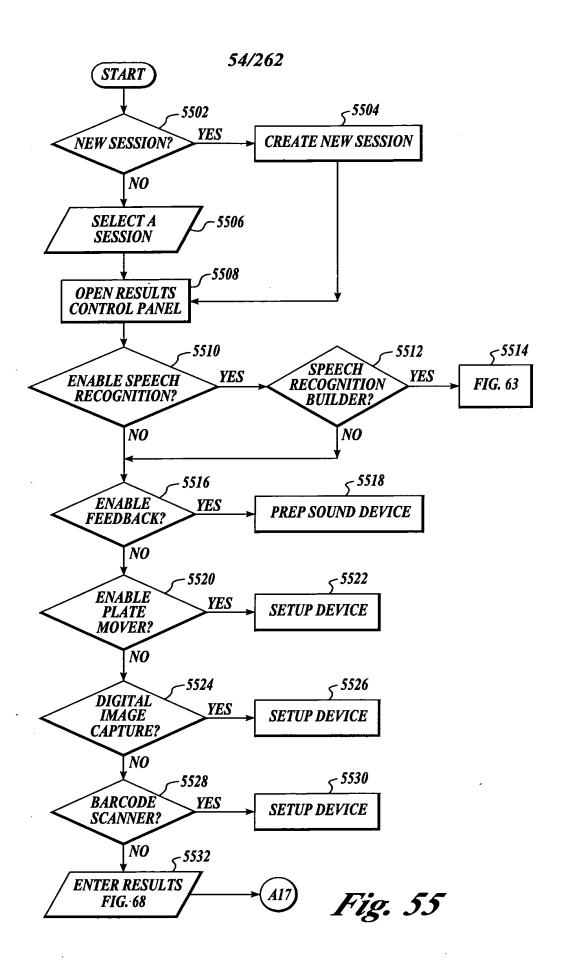


Fig. 55





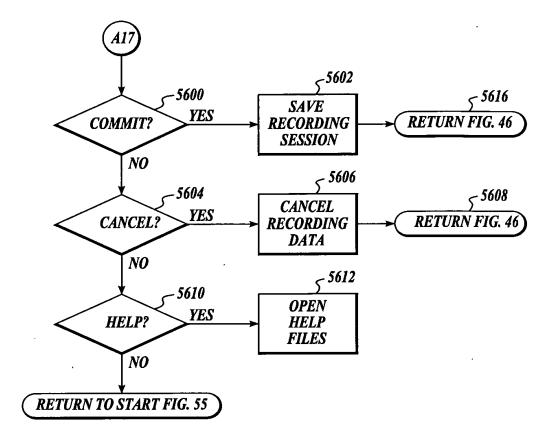
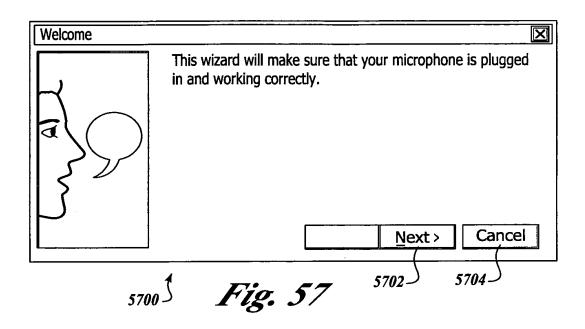
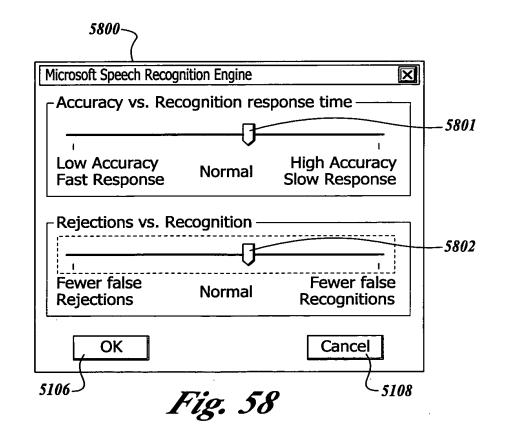
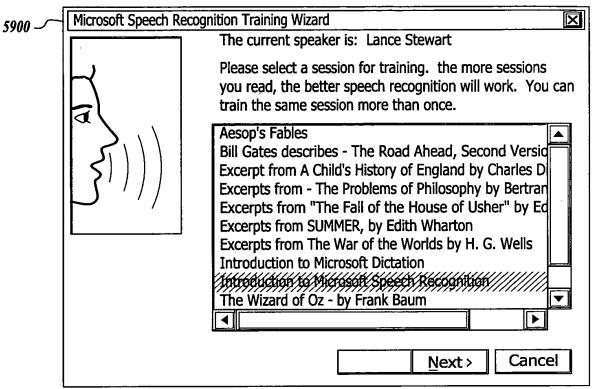
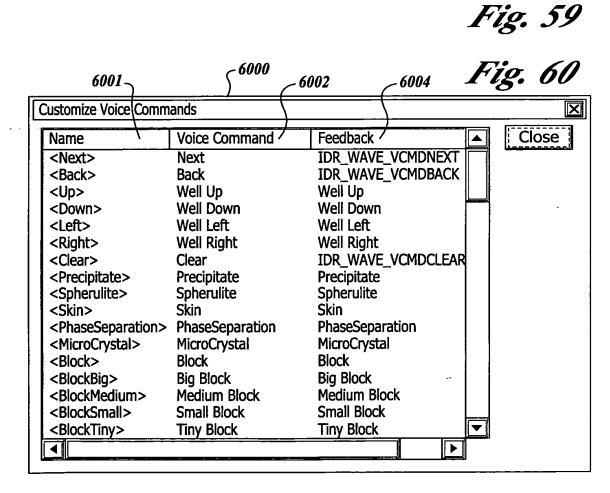


Fig. 56









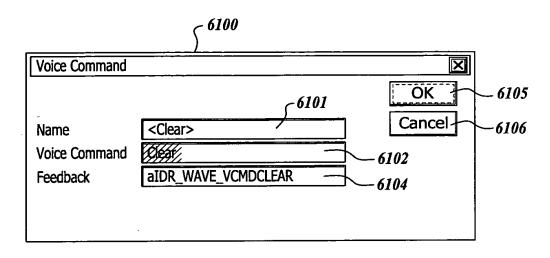


Fig. 61

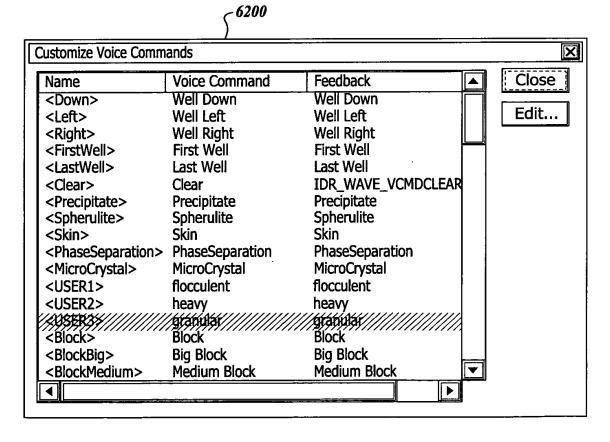


Fig. 62

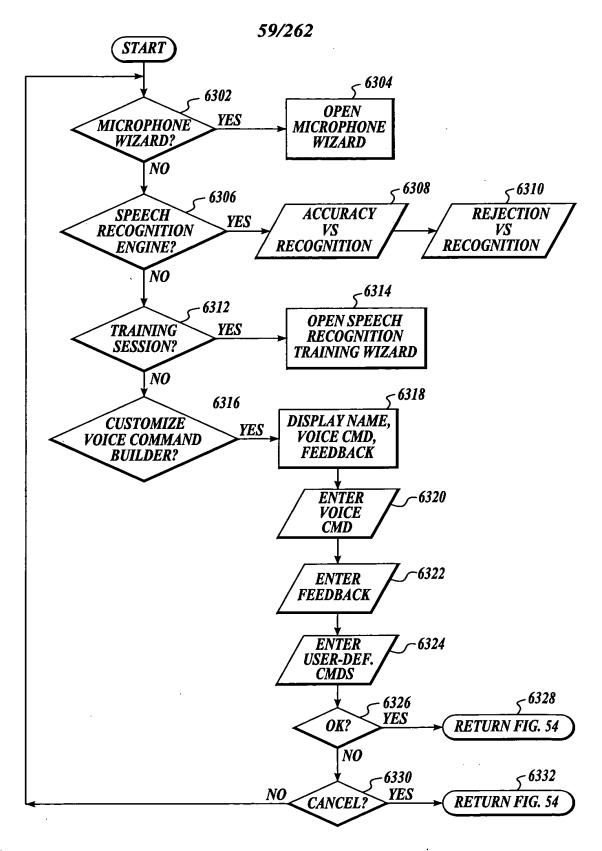


Fig. 63

1. 6

	<b>6400</b>	
Options	?×	
Barcode Reader Plate Mo	over Miscellaneous	
COM PORT COM1	9600 (def)	
Stop Bits  ① 1 (default)  ② 2	Parity  O None (default)  C Even	
Testing	O Odd	— <i>6401</i>
☑ Plate Mover ON fo	r Testing	0701
Command: p 0 0 0	Run —	
Response:		
Align Co	o-ordinates Set Defaults	
	OK Cancel	
6102		

Fig. 64

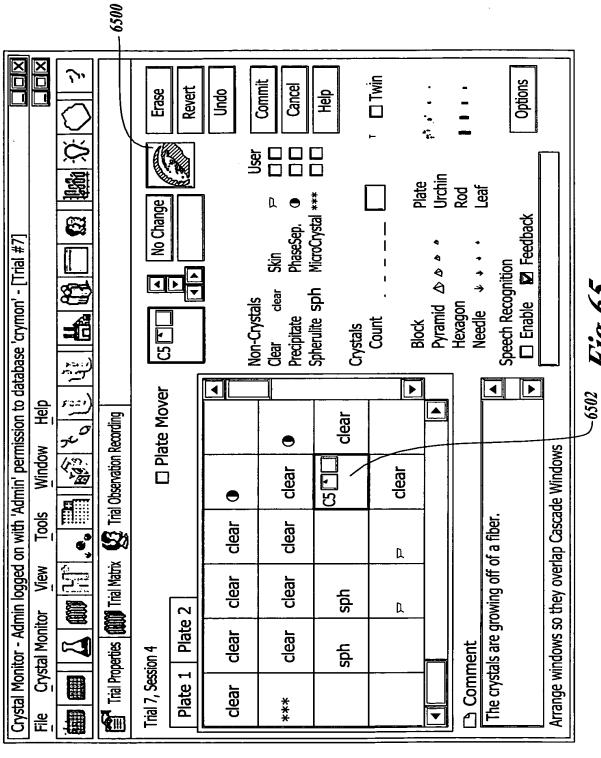


Fig. 65

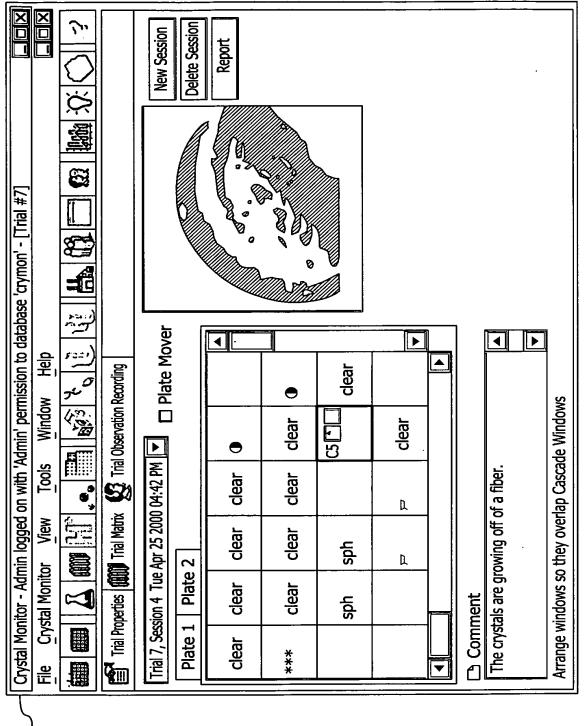


Fig. 66

	∫ 6700
Options	?×
Barcode Reader Plate Mov	er Miscellaneous
COM PORT COM1	9600 (def)
Stop Bits	Parity
● 1 (default) O 2	<ul><li>None (default)</li><li>Even</li></ul>
Testing	O Odd
<b>☑</b> Barcode Reader ON	
Scanned Barcode:	
	Set Defaults
	OK Cancel

Fig. 67

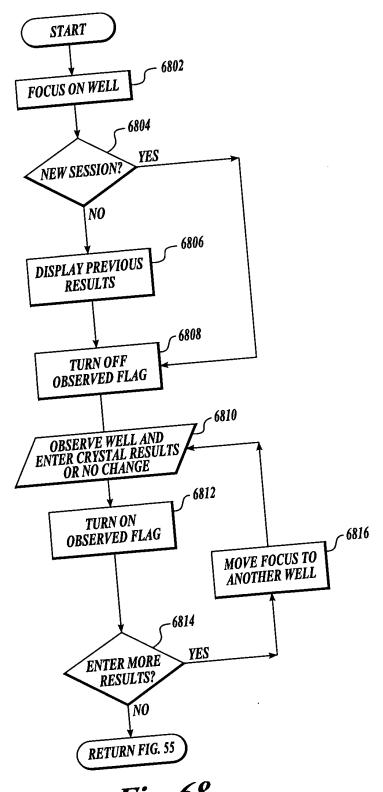


Fig. 68

A1	A2	A3	A4	A5	A6
clear	clear	clear	clear	⊕pp+	pp+
B1	B2	B3	B4	B5	B6
***	clear	clear	clear	clear	<b>●</b>
C1 _△	C2 sph	C3 sph	C4	5	C6 clear
D1	D2	D3	D4	D5	D6
pp+	pp+		pp+	clear	pp+

Fig. 69

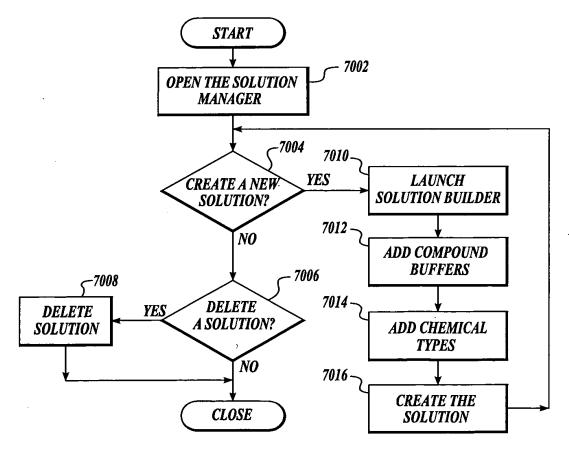


Fig. 70

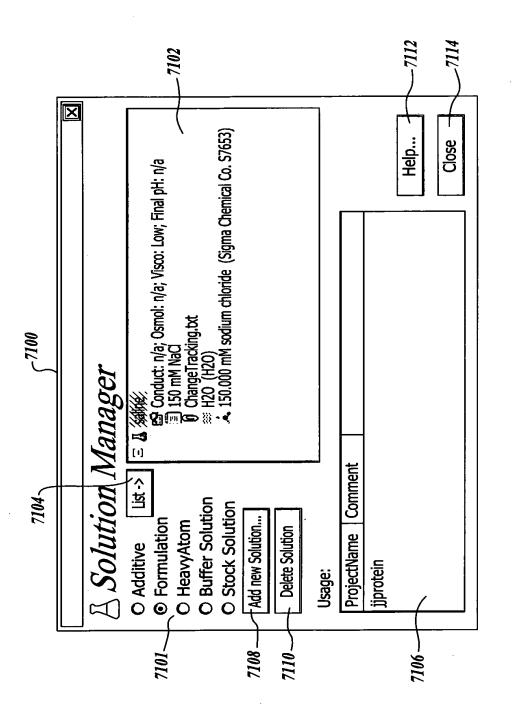


Fig. 71

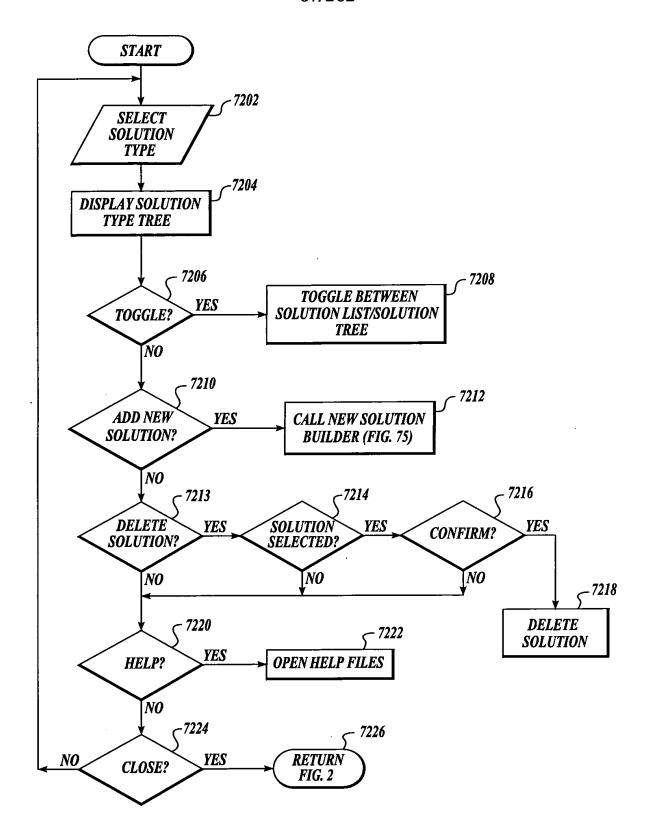
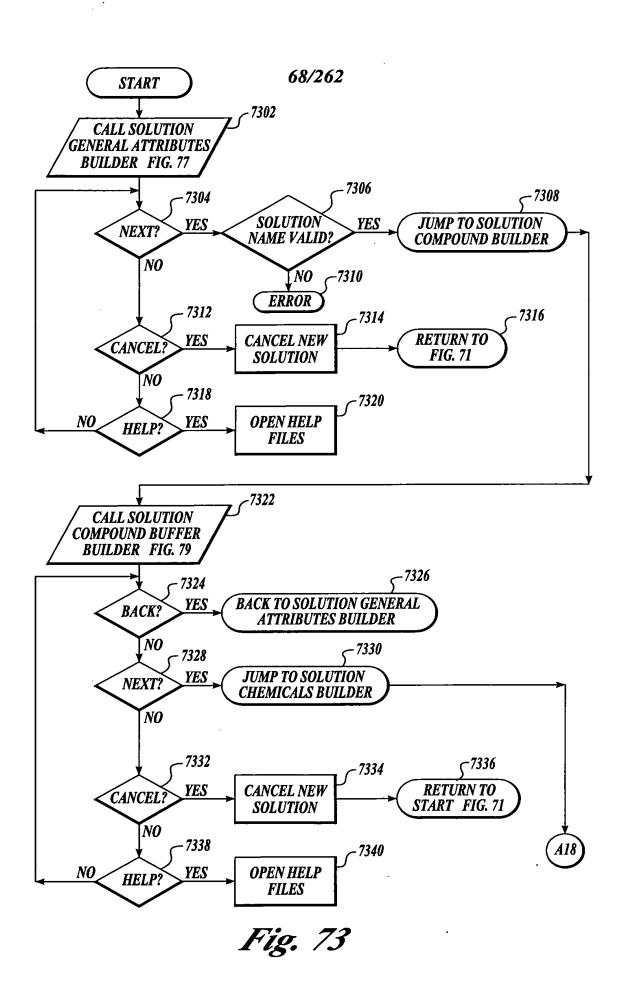


Fig. 72



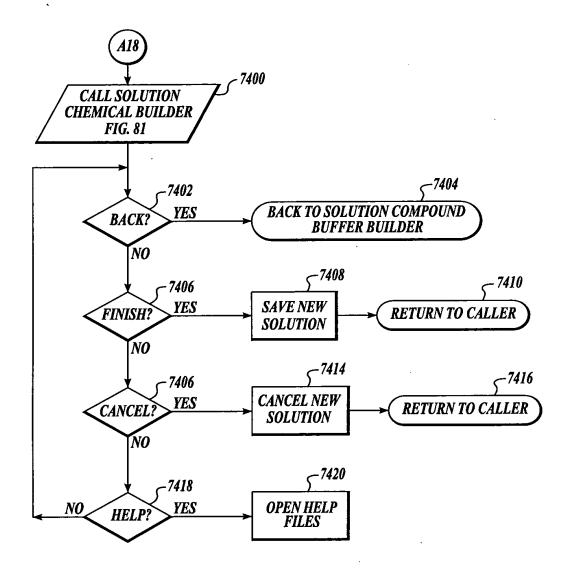


Fig. 74

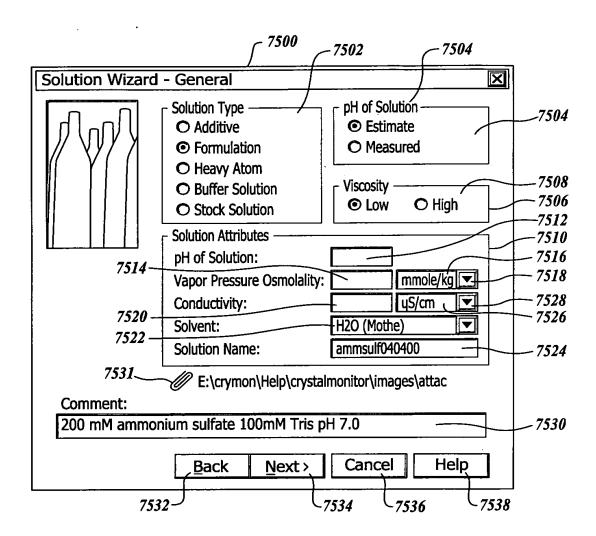
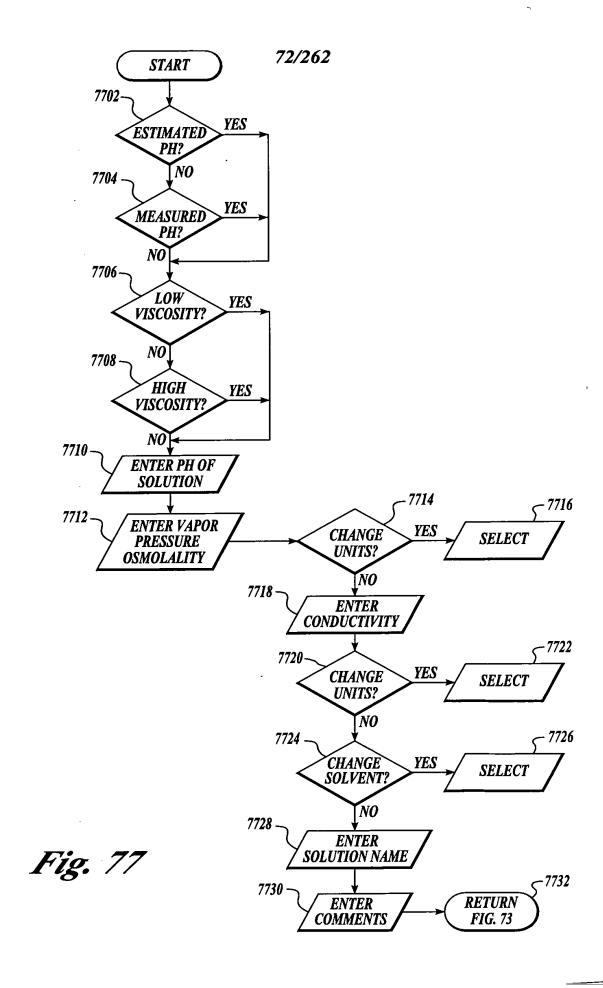


Fig. 75

7600 Microsoft Excel - attachmentexample File Edit View Insert Format Tools Data Window Help **ቆ** □ 🌄 % 即图《 ? R7C3 • =R[-4]C\*(R[-2]C/1000)\*(R[-3]C/1000)2 3 4 5 ammonium sulfate storage solution molecular weight 132 total volume (ml) 1000 concentration (mM) 200 amount to use (g) 7 26.4 8 9 ► ► Sheet1 \Sheet2 \Sheet3 M

Fig. 76



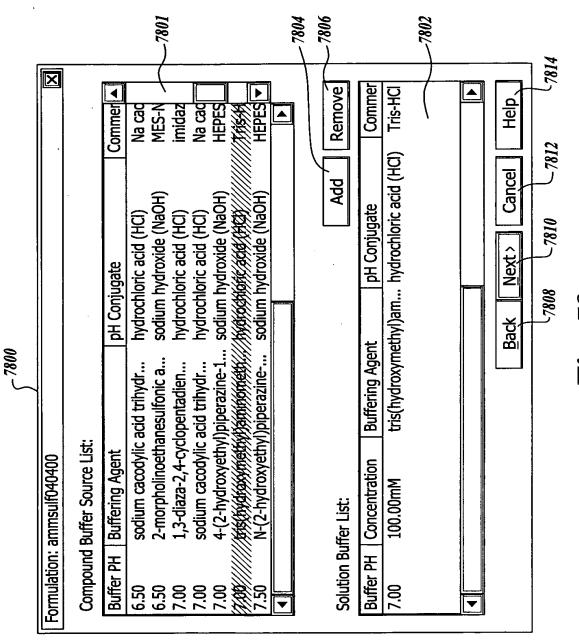


Fig. 78

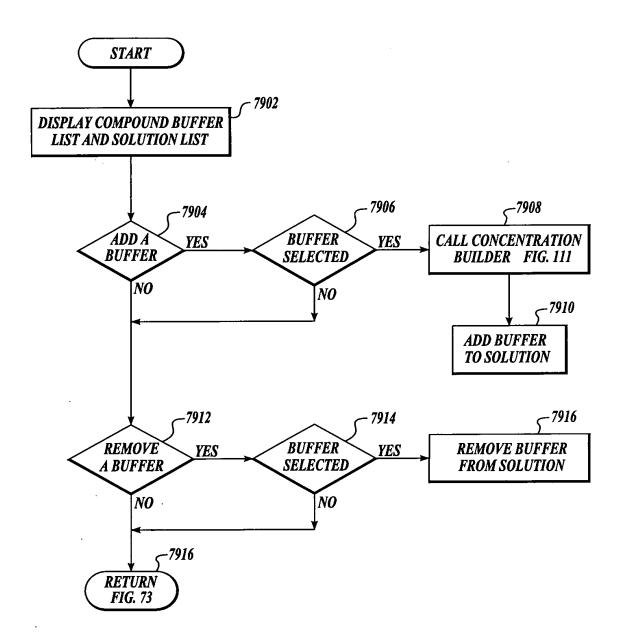


Fig. 79

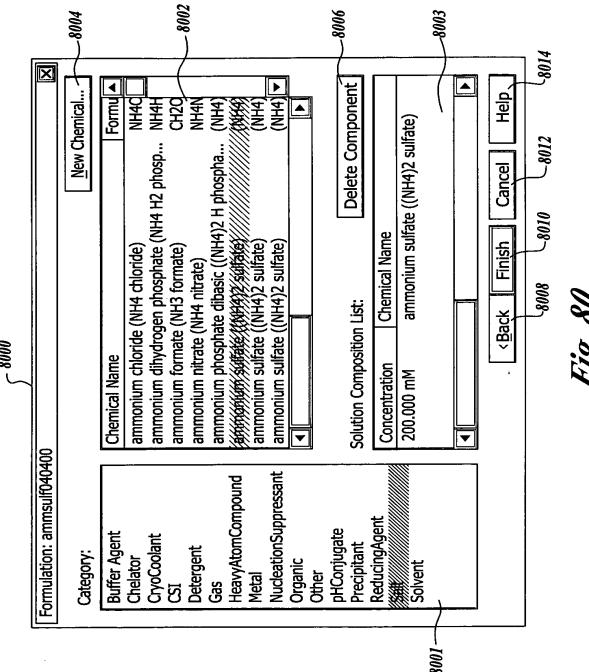


Fig. 80

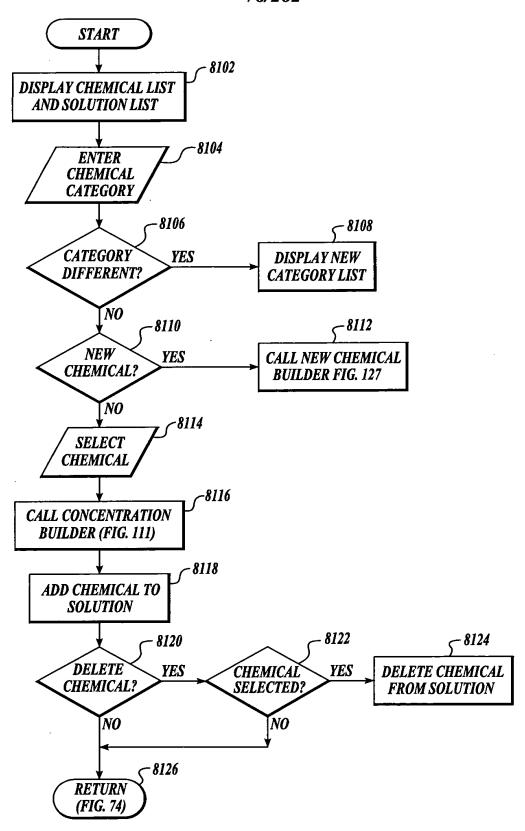


Fig. 81

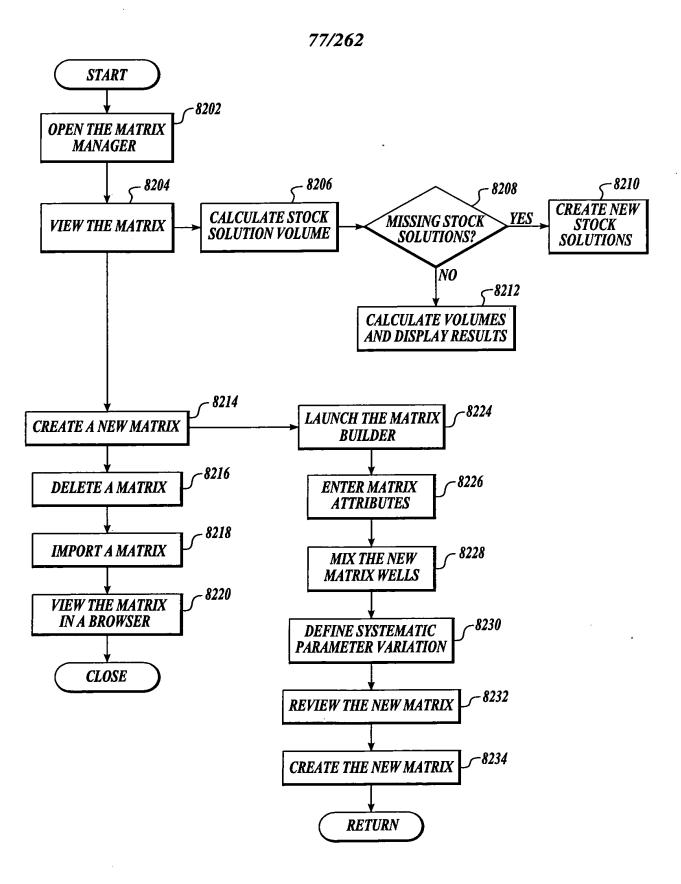


Fig. 82

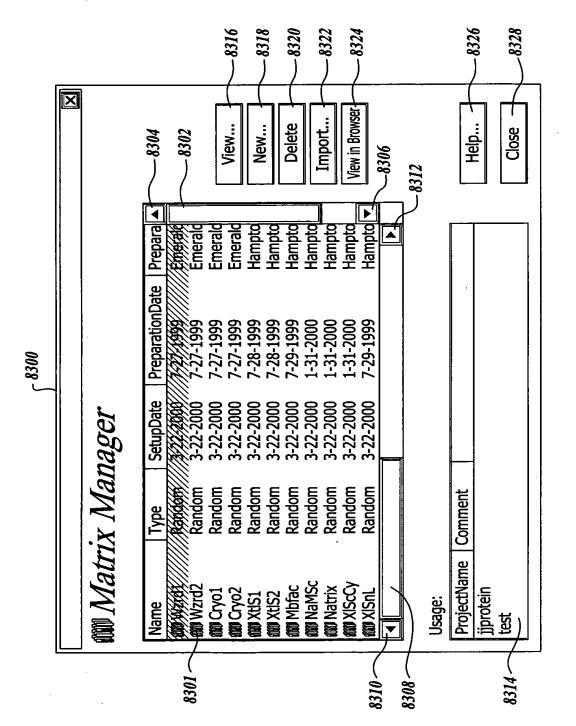


Fig. 83

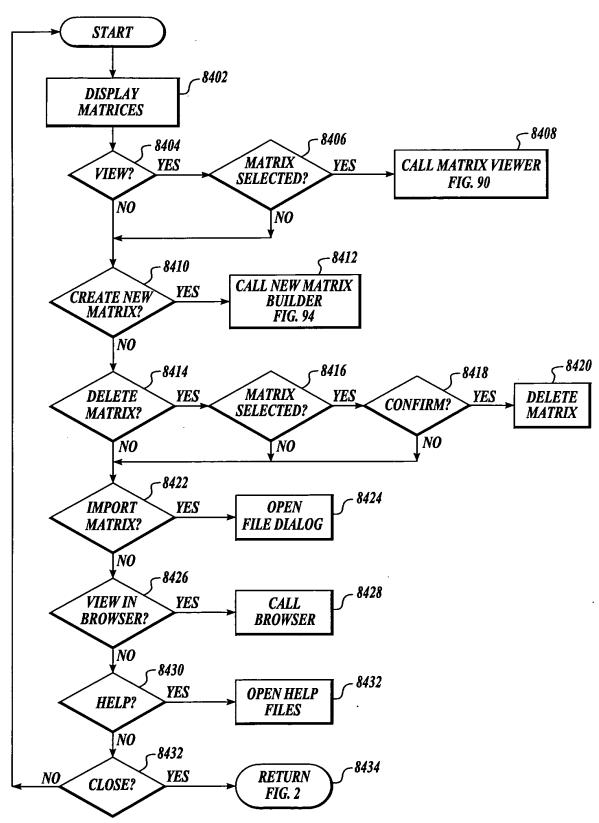
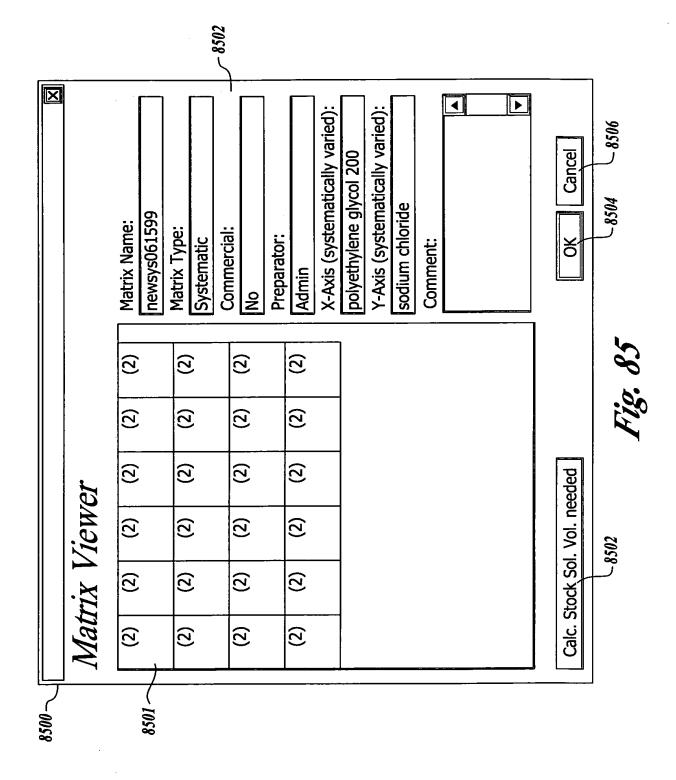


Fig. 84



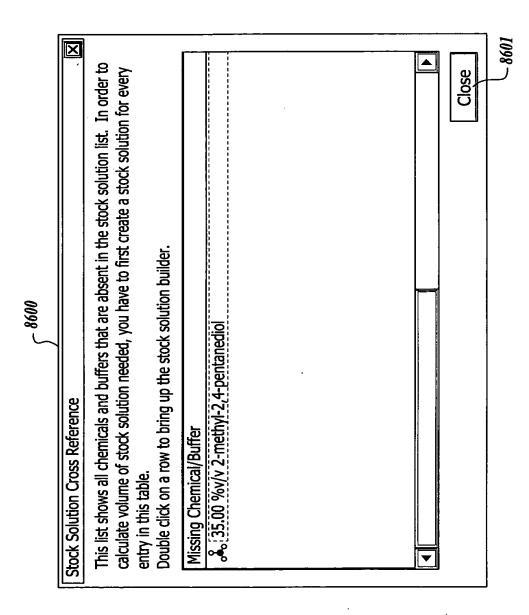


Fig. 86

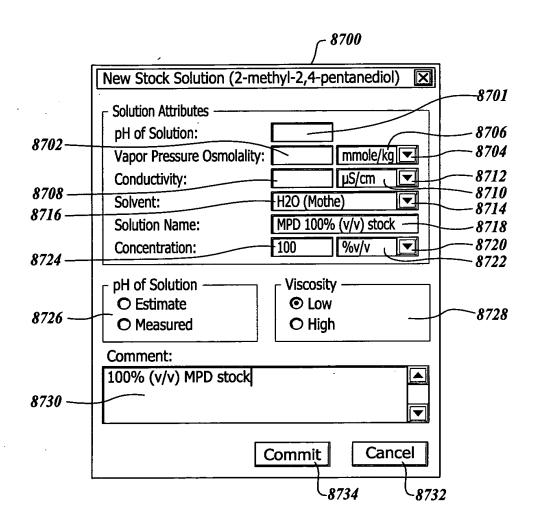


Fig. 87

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Fig. 88

WELLID	VOLUME	STOCK NAME	STOCK CONC.	CHEMICAL NAME	CHEMICAL TYPE	FINAL CONC.
1	1.000 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	10.000 %V/V CONC.
1	0.200 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	PRECIPITANT	100.000 <b>mM</b>

Fig. 89A

## 85/262

1	8.800 ML		N/A	H2O	SOLVENT	N/A
2	1.500 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	15.000 %V/V
2	0.200 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	PRECIPITANT	100.000 <b>mM</b>
2	8.300 ML		N/A	H2O	SOLVENT	N/A
3	2.000 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	20.000 %V/V
3	0.200 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM PRECIPITANT CHLORIDE (SIGMA CHEMICAL CO.)		100.000 <b>mM</b>
3	7.800 ML	- "	N/A	H2O	SOLVENT	N/A
4	2.500 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	25.000 %V/V
4	0.200 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	PRECIPITANT	100.000 <b>mM</b>
4	7.300 ML		N/A	H2O	SOLVENT	N/A
5	3.000 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	30.000 %V/V
5	0.200 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	PRECIPITANT	100.000 <b>mM</b>
5	6.800 ML		N/A	H2O	SOLVENT	N/A
6	3.500 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	35.000 %V/V

Fig. 89B

6	0.200 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	PRECIPITANT .	100.000 <b>mM</b>
6	6.300 ML		N/A	H2O	SOLVENT	N/A
7	1.000 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	10.000 %V/V
7	0.400 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	CHLORIDE (SIGMA CHEMICAL CO.)	
7	8.600 ML		N/A	H2O	SOLVENT	N/A
8	1.500 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	15.000 %V/V
8	0.400 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	PRECIPITANT	200.000 <b>mM</b>
8	8.100 ML		N/A	H2O	SOLVENT	N/A
9	2.000 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	20.000 %V/V
9	0.400 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	PRECIPITANT	200.000 <b>mM</b>
9	7.600 ML		N/A	H2O	SOLVENT	N/A
10	2.500 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	25.000 %V/V

Fig. 89C

## 87/262

10	0.400 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	PRECIPITANT	200.000 <b>mM</b>
10	7.100 ML		N/A	H2O	SOLVENT	N/A
11	3.000 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	30.000 %V/V
11	0.400 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	PRECIPITANT	200.000 <b>mM</b>
11	6.600 ML	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	N/A	H2O	SOLVENT	N/A
12	3.500 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	35.000 %V/V
12	0.400 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	CHLORIDE (SIGMA	
12	6.100 ML		N/A	H2O	SOLVENT	N/A
13	1.000 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	10.000 %V/V
13	0.600 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	PRECIPITANT	300.000 <b>mM</b>
13	8.400 ML		N/A	H2O	SOLVENT	N/A
14	2.500 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	25.000 %V/V
14	0.600 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	PRECIPITANT	300.000 <b>mM</b>

Fig. 89D

14	7.900 ML		N/A	H2O	SOLVENT	N/A
15	2.000 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	20.000 %V/V
15	0.600 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	PRECIPITANT	300.000 <b>mM</b>
15	7.400 ML		N/A	H2O	SOLVENT	N/A
16	2.500 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA PRECIPITANT CHEMICAL CO.)		25.000 %V/V
16	0.600 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	PRECIPITANT	300.000 <b>mM</b>
16	6.900 ML		N/A	H2O	SOLVENT	N/A
17	3.000 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	30.000 %V/V
17	0.600 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	PRECIPITANT	300.000 <b>mM</b>
17	6.400 ML		N/A	H2O	SOLVENT	N/A
18 ·	3.500 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	•	
18	0.600 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	PRECIPITANT	300.000 <b>mM</b>

Fig. 89E

18	5.900 ML		N/A	H2O	SOLVENT	N/A
19	1.000 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	10.000 %V/V
19	0.800 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	PRECIPITANT	400.000 <b>mM</b>
19	8.200 ML		N/A	H2O	SOLVENT	N/A
20	1.500 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	15.000 %V/V
20	0.800 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	CHLORIDE (SIGMA	
20	7.700 ML		N/A	H2O	SOLVENT	N/A
21	2.000 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	20.000 %V/V
21	0.800 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	PRECIPITANT	400.000 <b>mM</b>
21	7.200 ML		N/A	H2O	SOLVENT	N/A
22	2.500 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	· · · · · · · · · · · · · · · · · · ·	
22	0.800 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	PRECIPITANT	400.000 <b>mM</b>

Fig. 89F

22	6.700 ML		N/A	H2O	SOLVENT	N/A
23	3.000 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	30.000 %V/V
23	0.800 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 mM	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	PRECIPITANT	400.000 <b>mM</b>
23	6.200 ML		N/A	H2O	SOLVENT	N/A
24	3.500 ML	PEG-200 STOCK	100.000 %V/V	PEG-200 (SIGMA CHEMICAL CO.)	PRECIPITANT	35.000 %V/V
24	0.800 ML	SODIUM CHLORIDE 5 M STOCK	5000.000 <b>mM</b>	SODIUM CHLORIDE (SIGMA CHEMICAL CO.)	PRECIPITANT	400.000 <b>mM</b>
24	5.700 ML	:-	N/A	H2O	SOLVENT	N/A

Fig. 89G

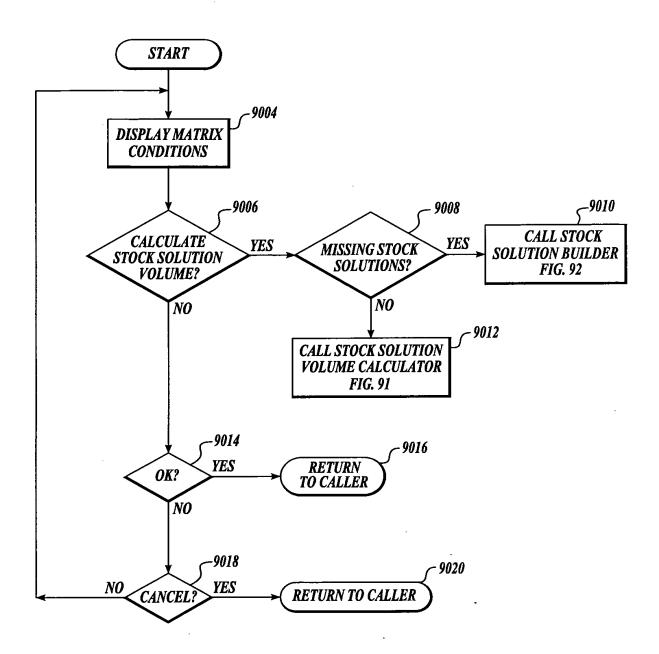


Fig. 90

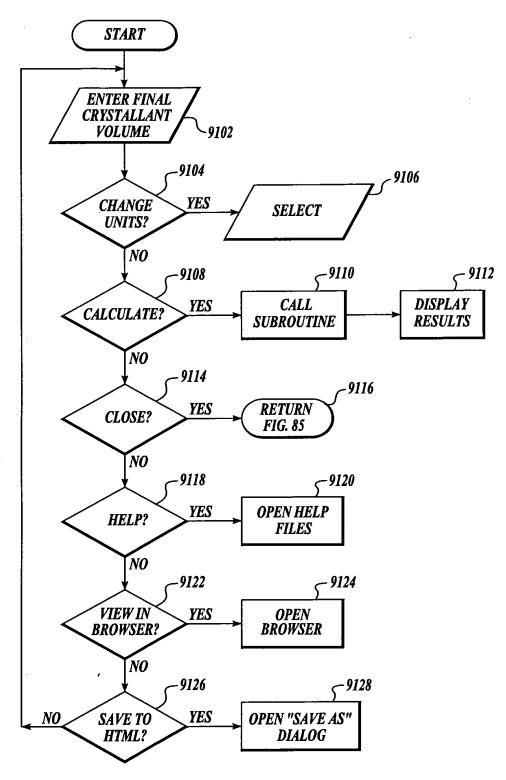
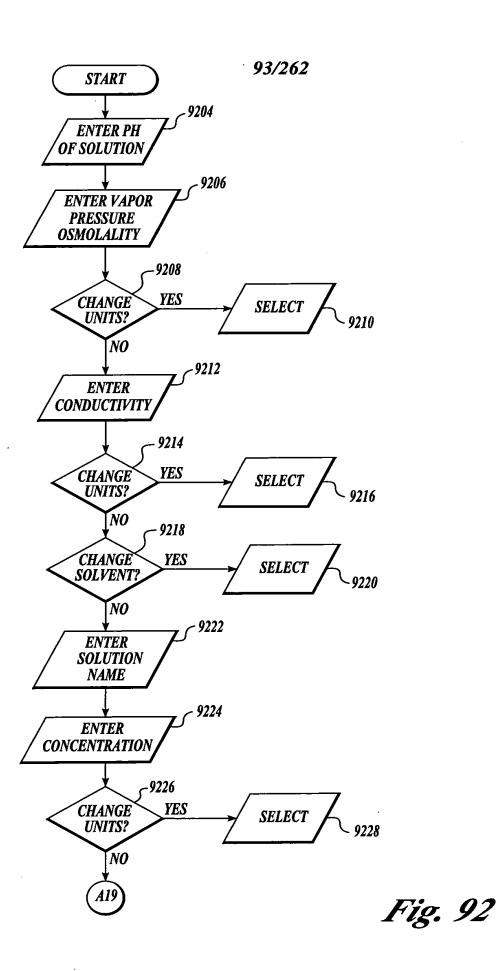


Fig. 91



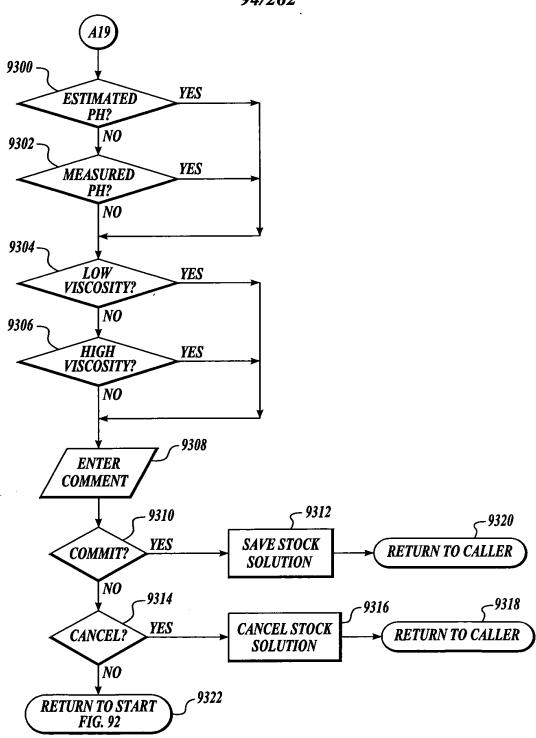
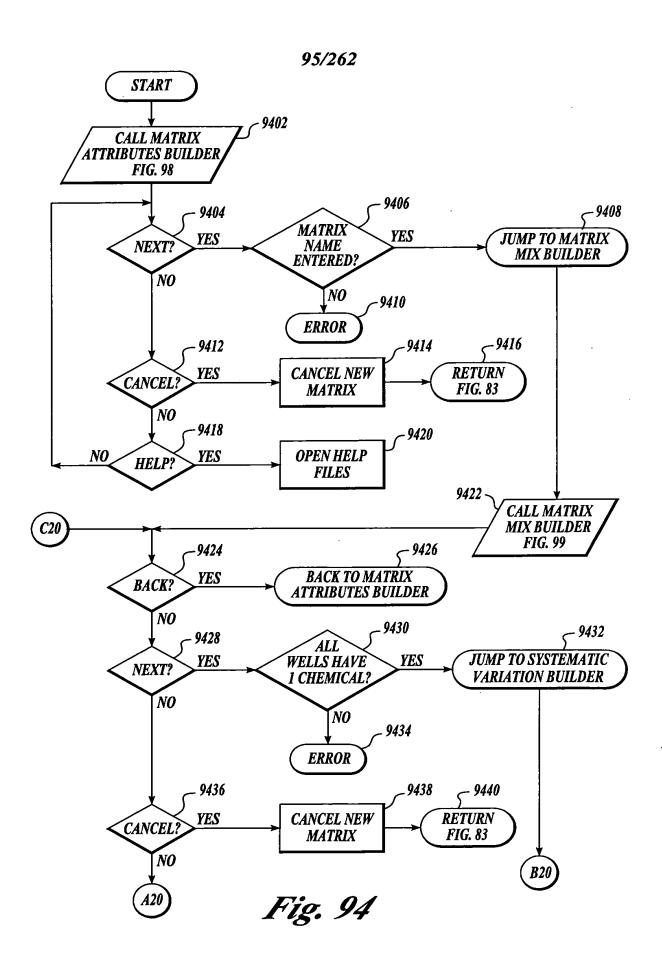
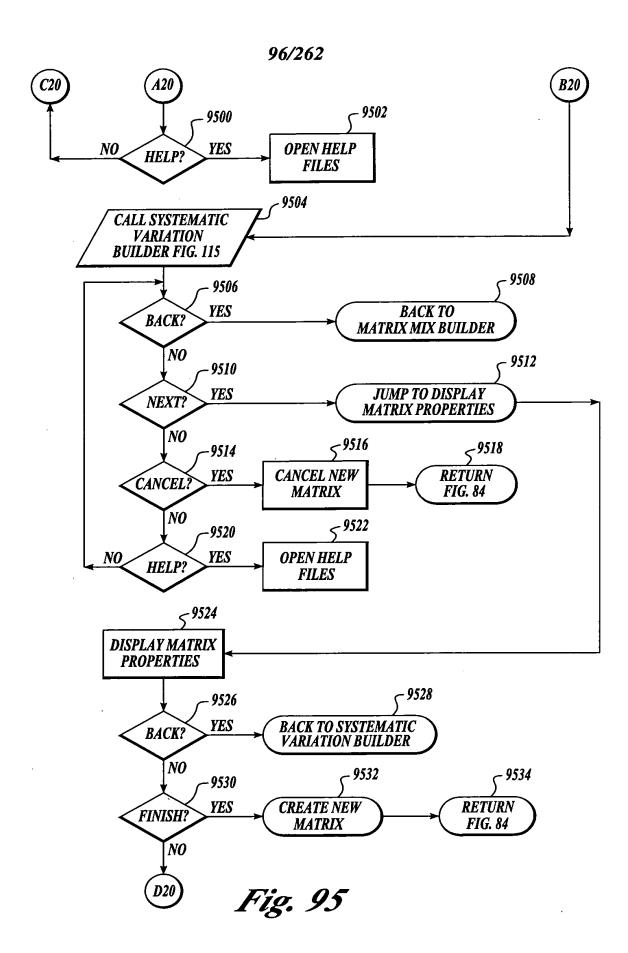


Fig. 93





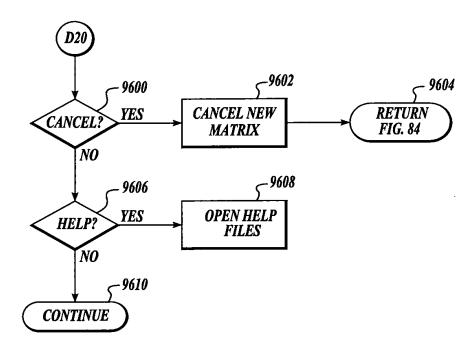


Fig. 96

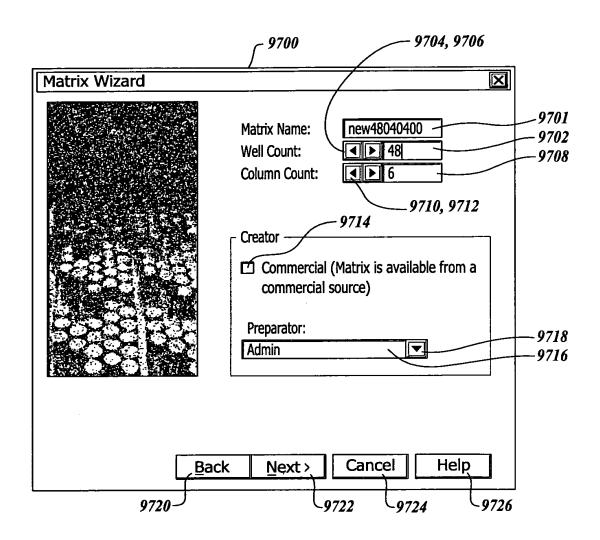


Fig. 97

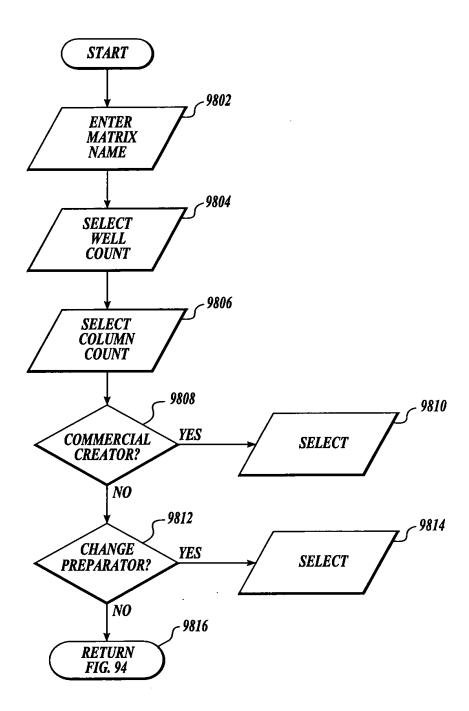
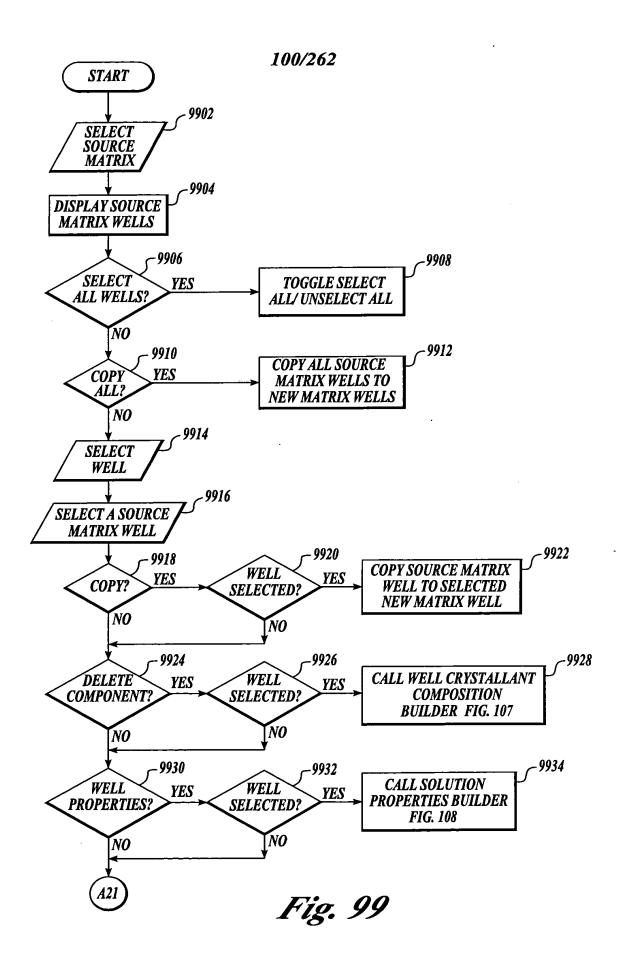


Fig. 98



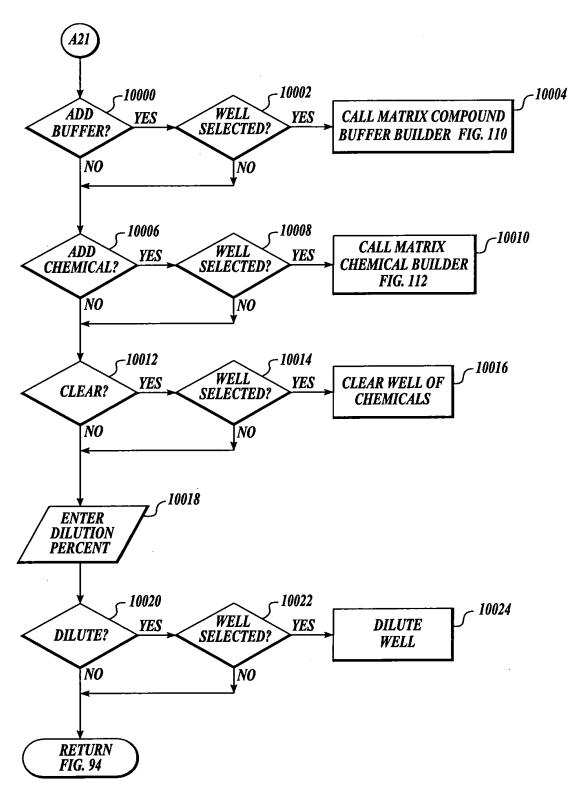
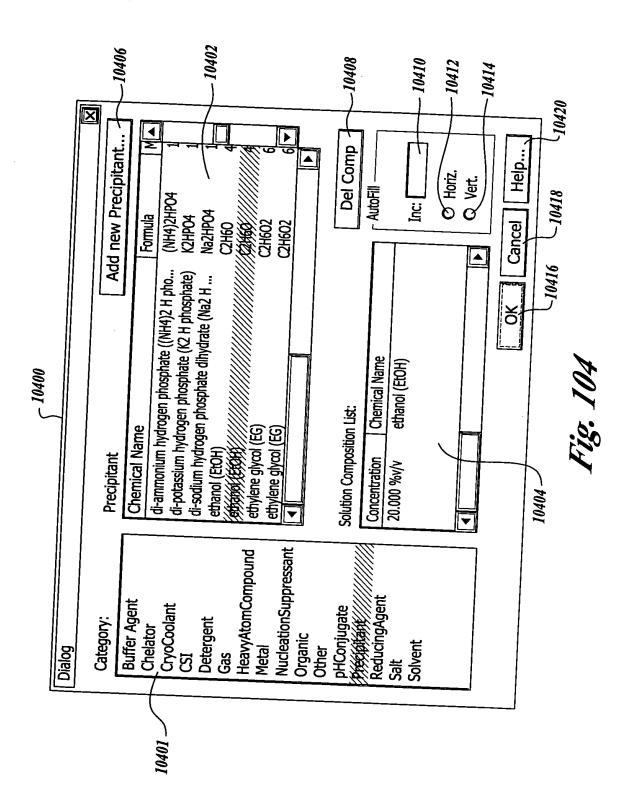


Fig. 100

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Fig. 103



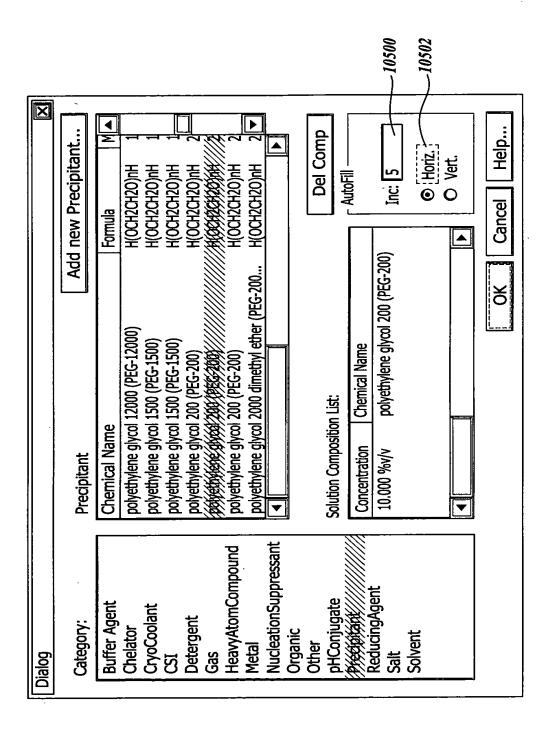


Fig. 105

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Fig. 106

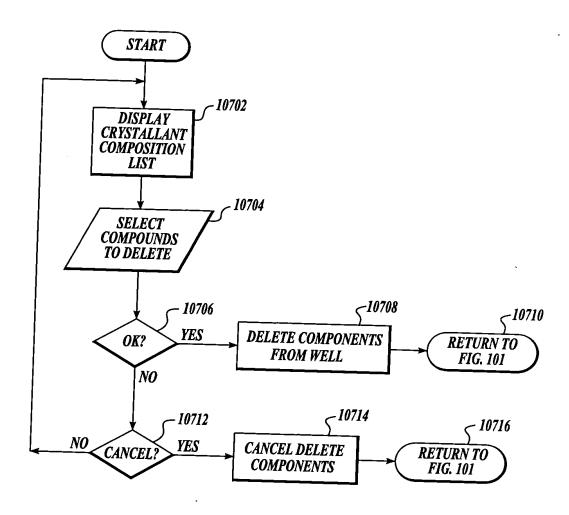


Fig. 107

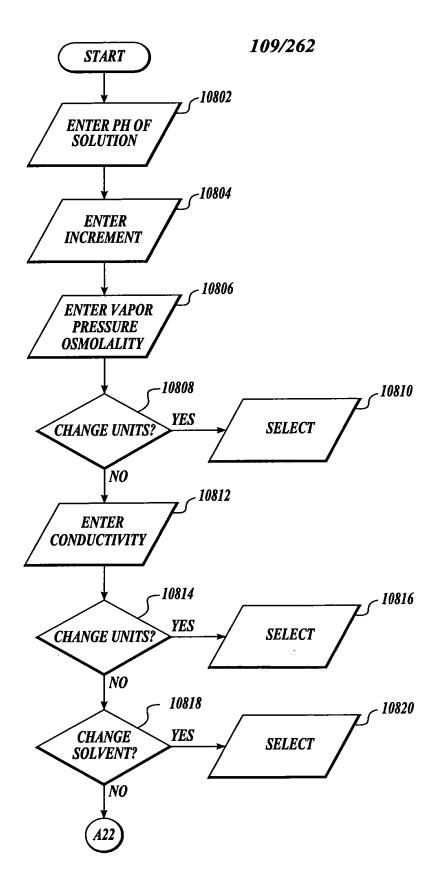
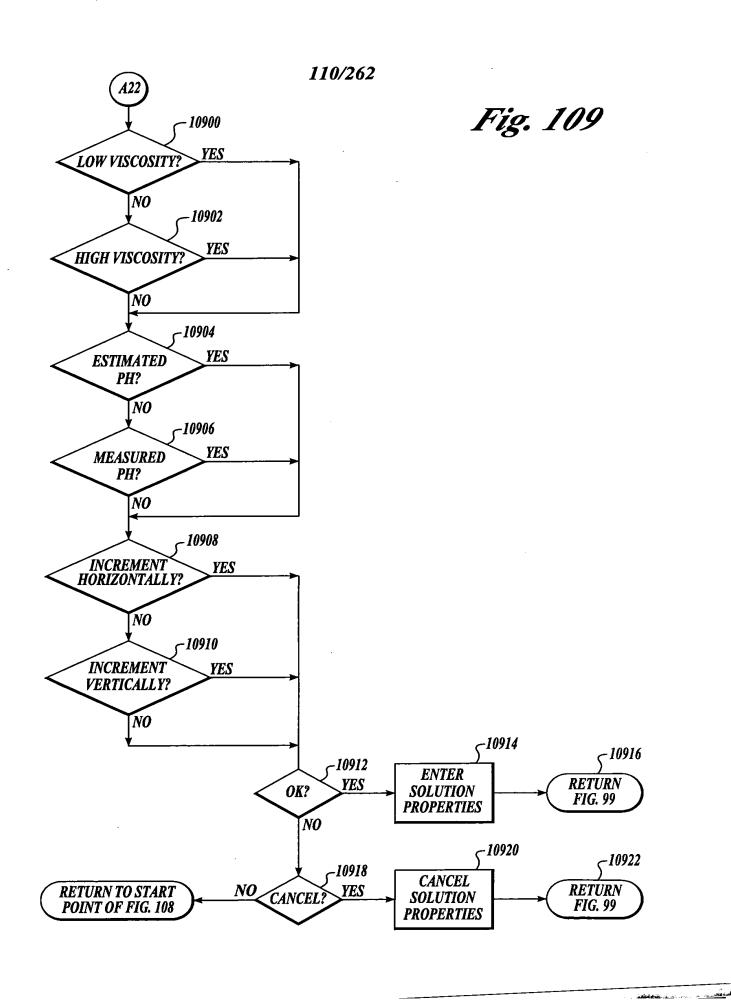
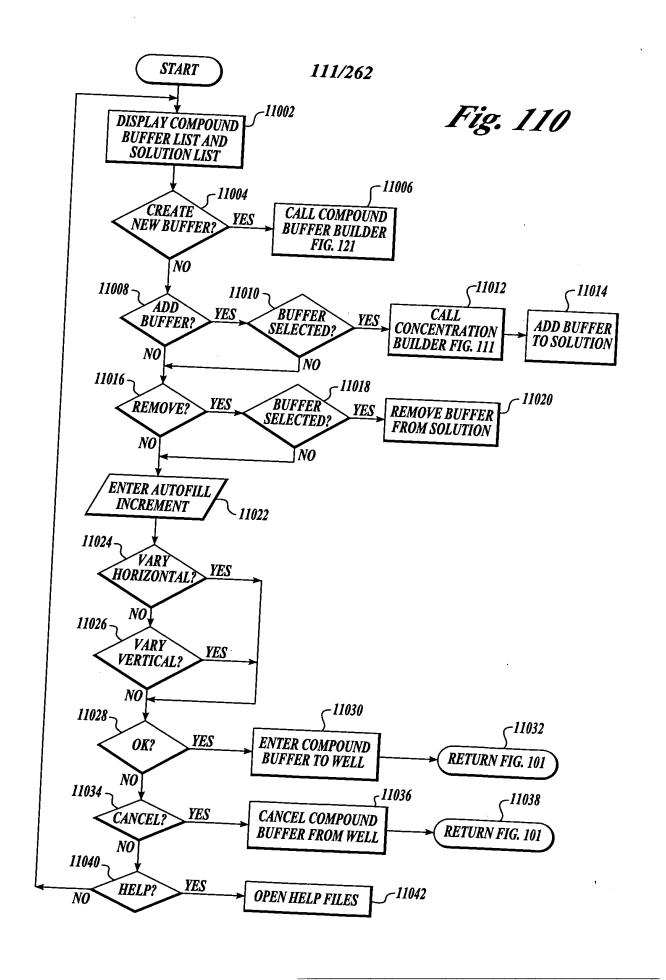


Fig. 108





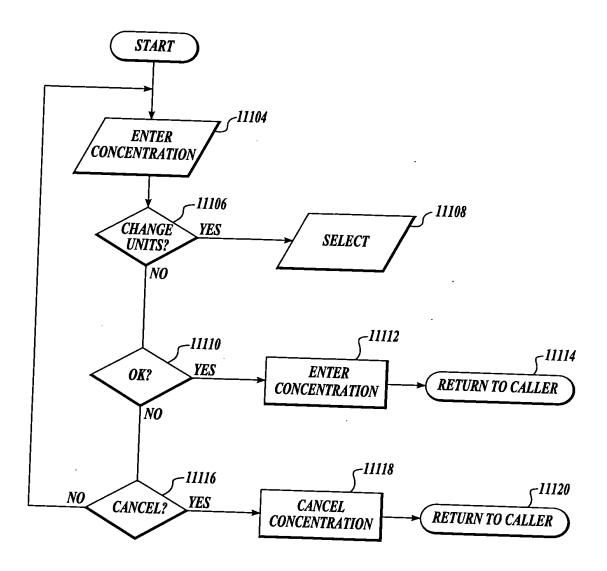
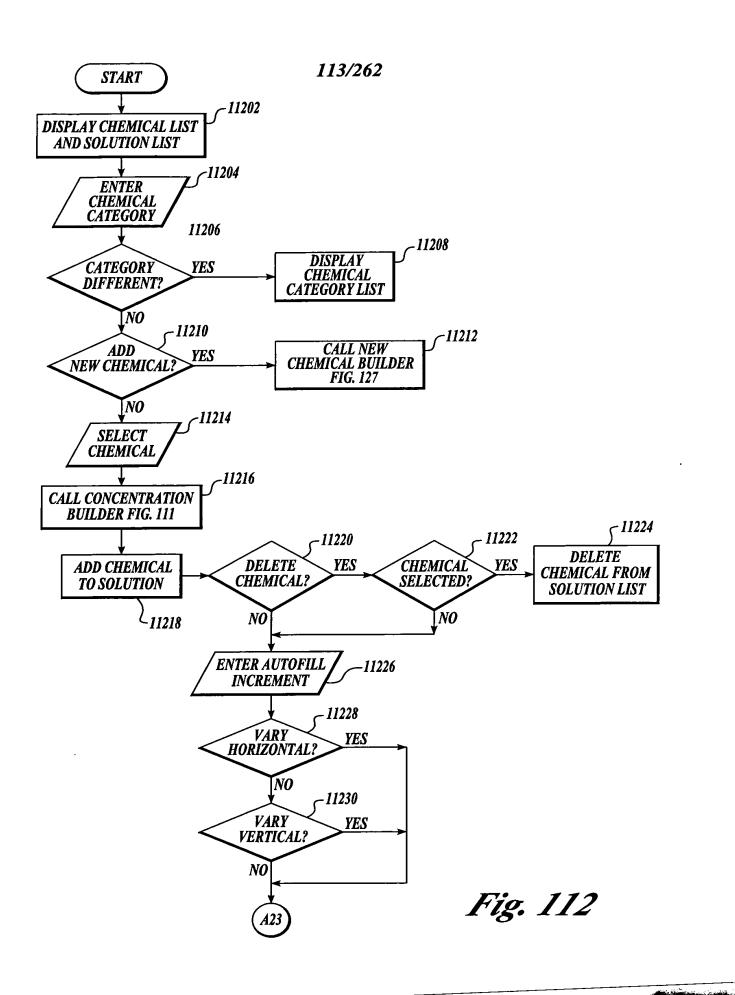


Fig. 111



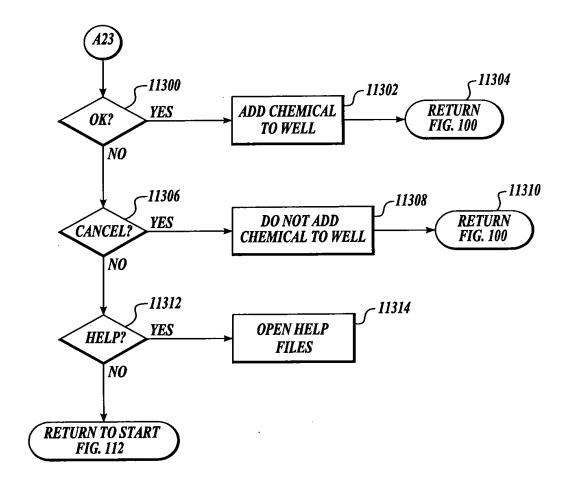


Fig. 113

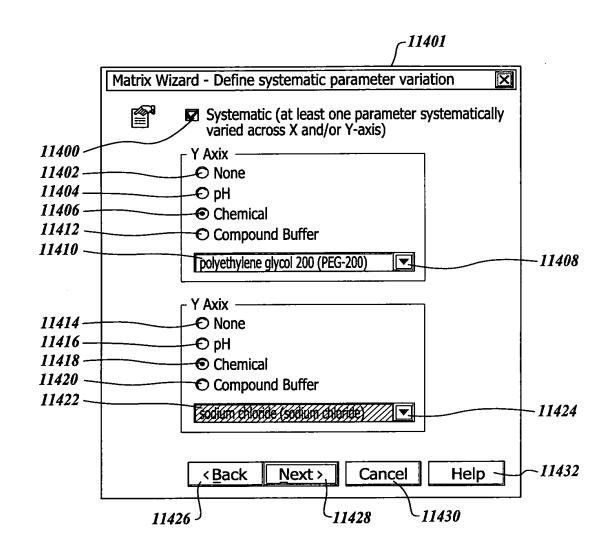


Fig. 114

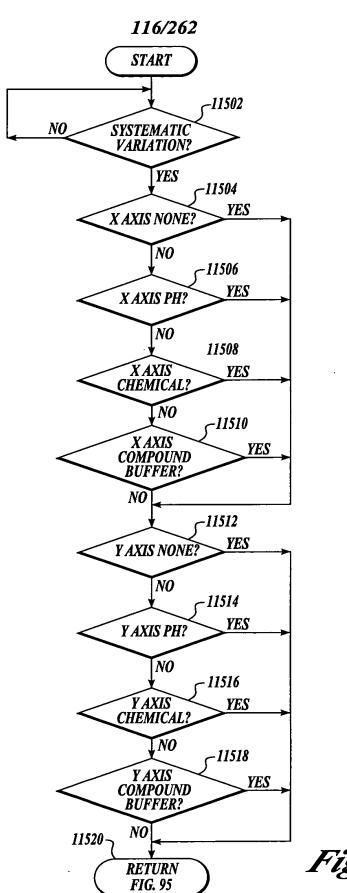


Fig. 115

- *11600* X Matrix Wizard - Review You are about to create a new non-commercial matrix with the following properties: Properties newsys061599 Matrix Name: today Date Created: Well Count: 24 6 **Column Count:** Preparator: Admin Matrix Type: systematic polyethylene glycol 200 (PEG-200) X-Axis: sodium chloride (sodium chloride) Y-Axis: Comment: -11606 < Back Finish Cancel Help -11604 L11602 11601

Fig. 116

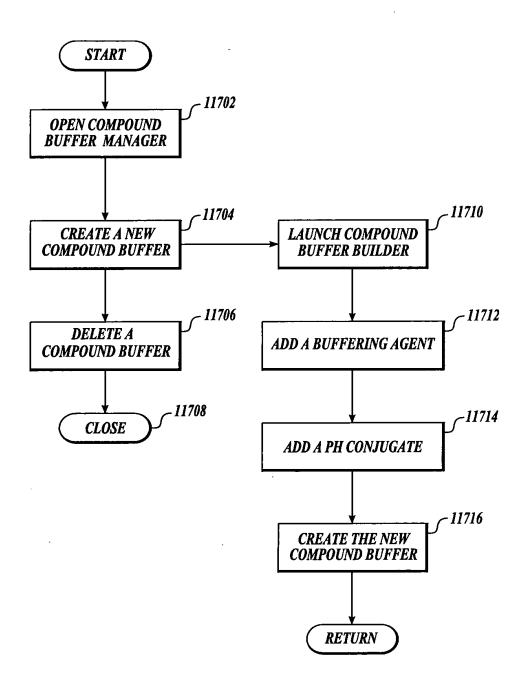


Fig. 117

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	rer	Buf Agent (Mnft	Sigma Chemica Sigma Chemica	Hampton Rese	Hampton Rese	Hampton Rese	Hampton Rese	Hampton Rese	Hampton Rese		Signa Chemical	Hampton Rese	Hampton Rese	Hampton Rese	Hampton Rese	Hampton Rese ▼	<u></u>			•
	r Manag	Buf Agent (abbr)	Na2 H phosphate	NaAc	Na cacodylate Na3 citrate	Na3 citrate	MES	Na cacodylate	S S		Naz H prosprate Na cacodylate	ADA	Na3 citrate	imidazole	Na cacodylate	MES				
	H*Compound Buffer Manager	Buffering Agent (Full Name)	sodium phosphate dibasic	sodium acetate trihydrate	sodium cacodylic acid trihydrate	sodium citrate dihydrate	2-morpholinoethanesulfonic acid	sodium cacodylic acid trihydrate	2-morpholinoethanesulfonic acid	(z-iv-morpholino)euranesulionic acid	sodium phosphate dipasic	n-(2-acetamido)iminodiacetic acid	sodium citrate dihydrate	1,3-diaza-2,4-cyclopentadiene	sodium cacodylic acid trihydrate	2-morpholinoethanesulfonic acid				
	H <sub>C</sub> Co	Buffer PH	H. 4.20 H. 4.50	H 4.60	<b>H</b> . 5.50	H- 5.60	H 5.60	H. 6.00	H. 6.90	20.0 H:	7. O	H- 6.50	<b>H</b> 6.50	H* 6.50	H, 6.50	H. 6.50				

Fig. 118

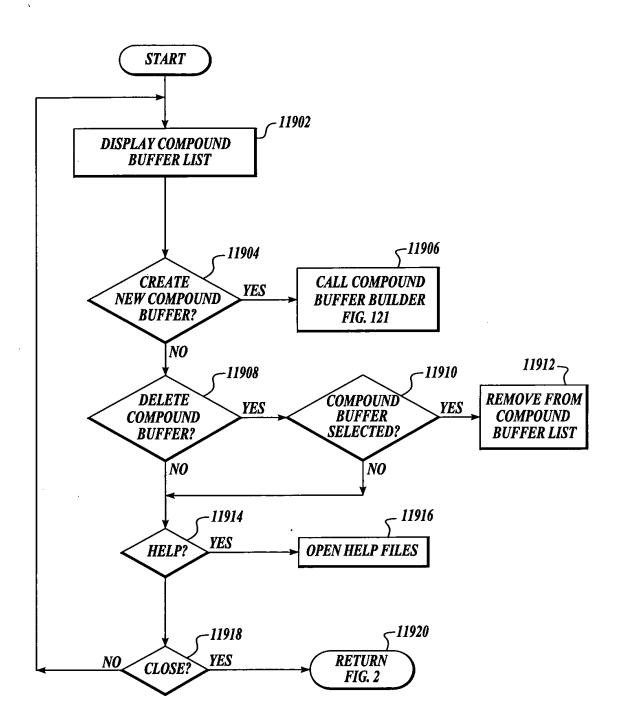


Fig. 119

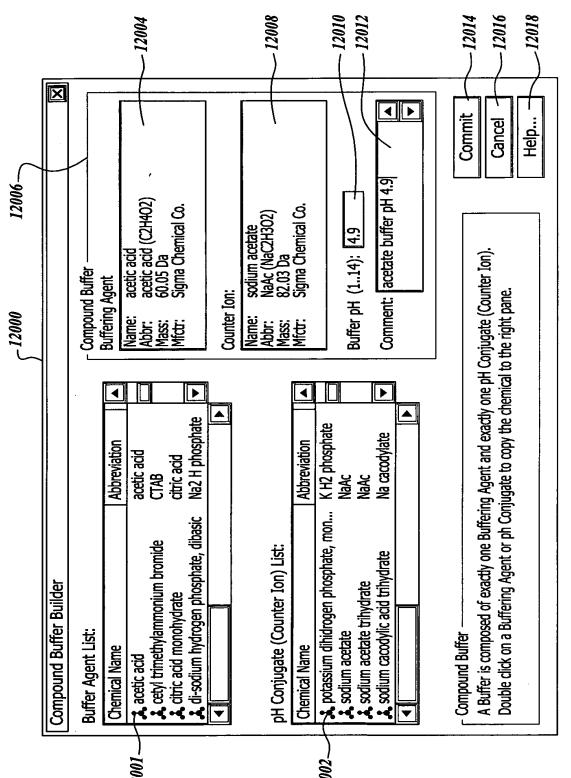


Fig. 120

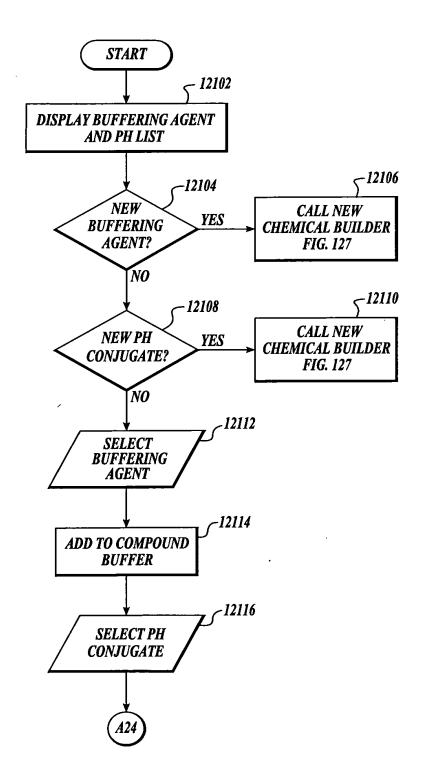


Fig. 121

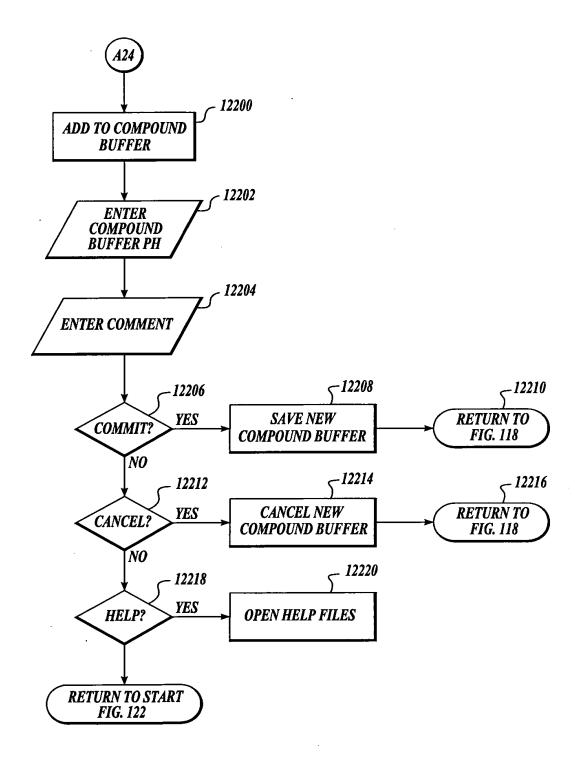


Fig. 122

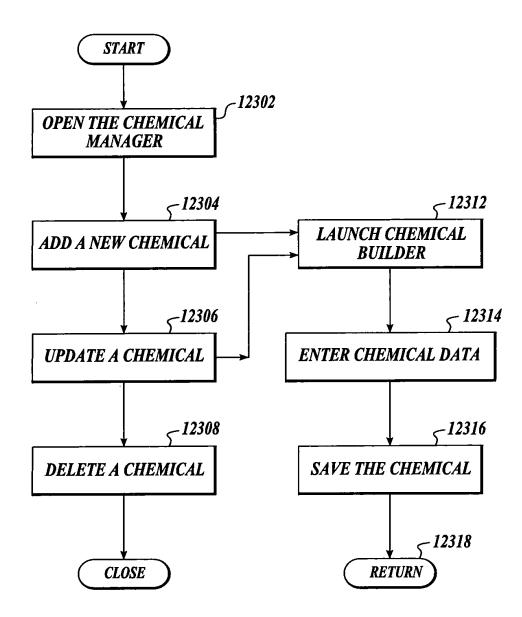


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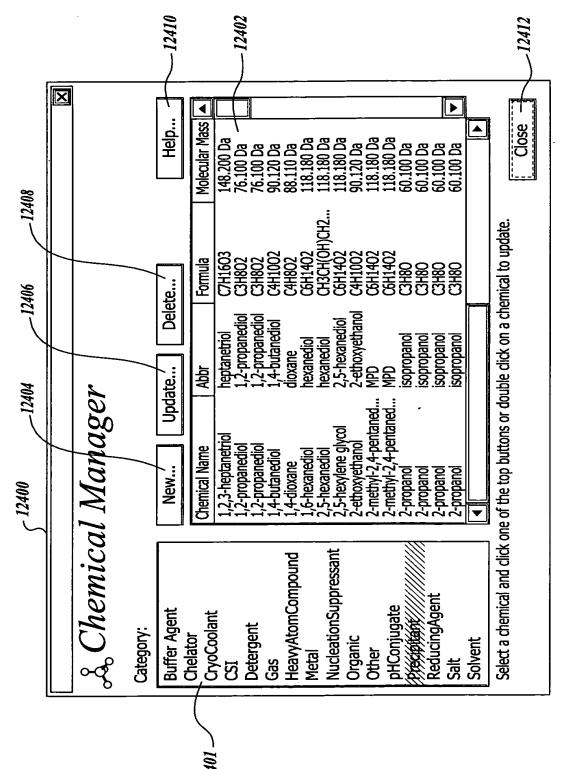


Fig. 124

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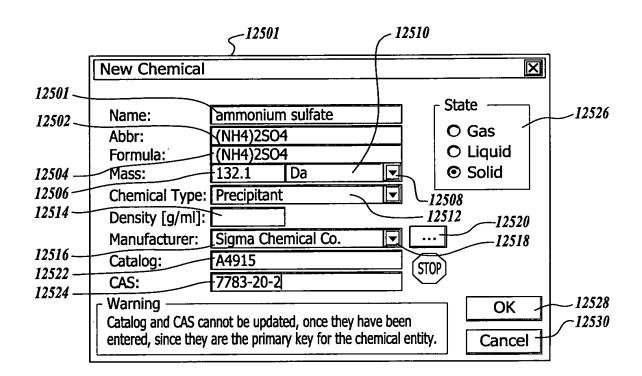


Fig. 125

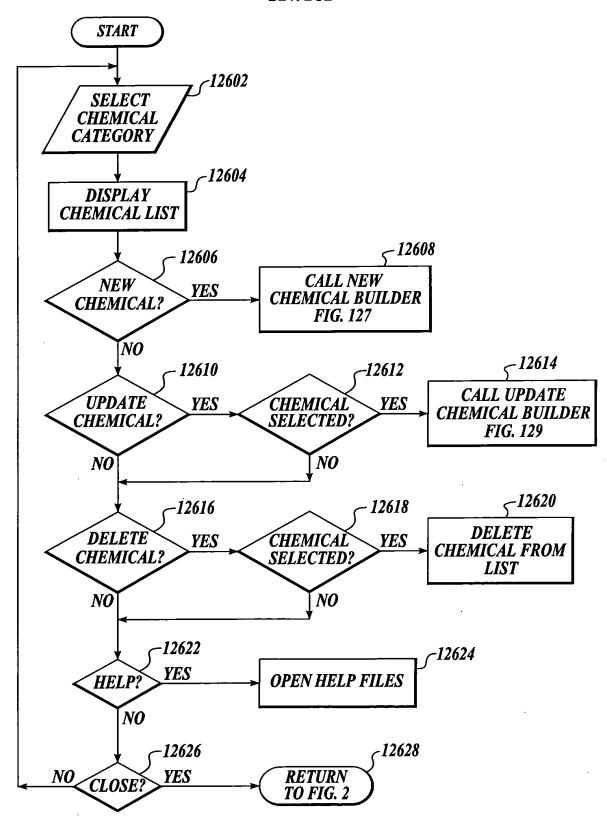
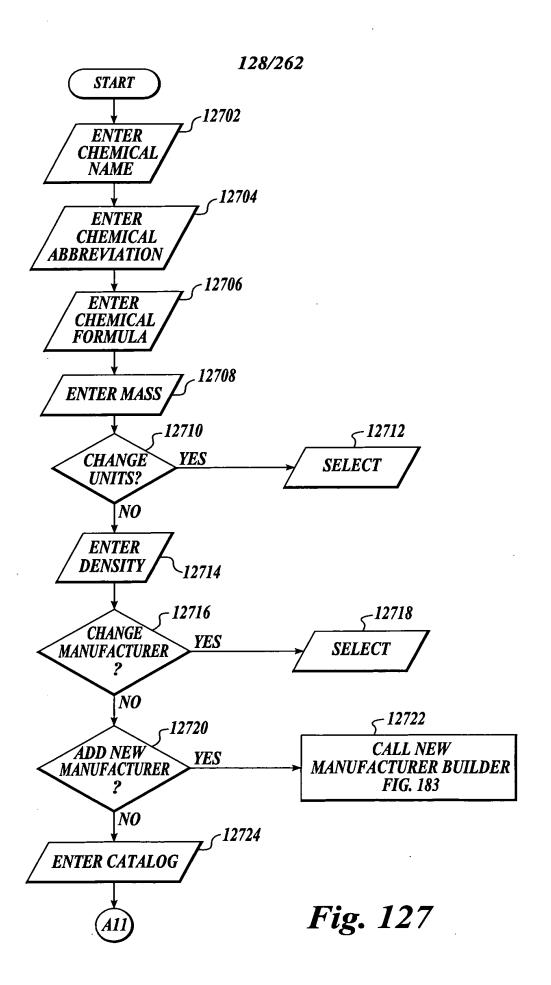


Fig. 126



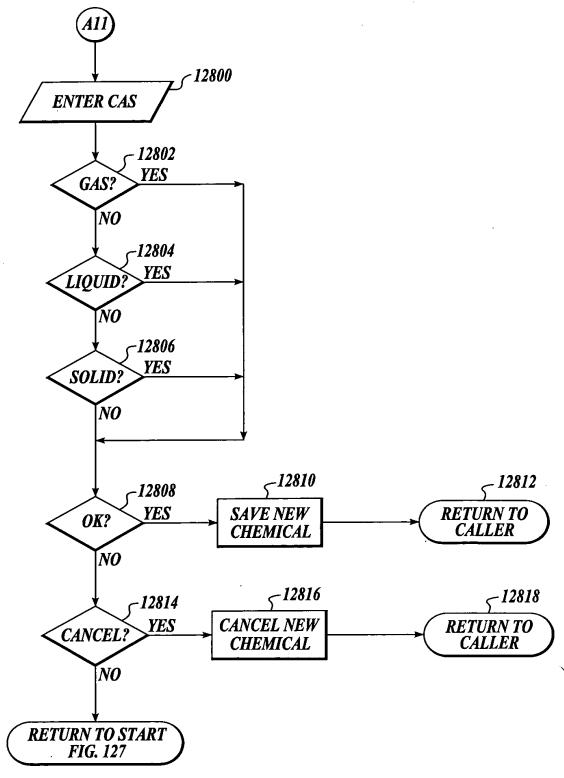
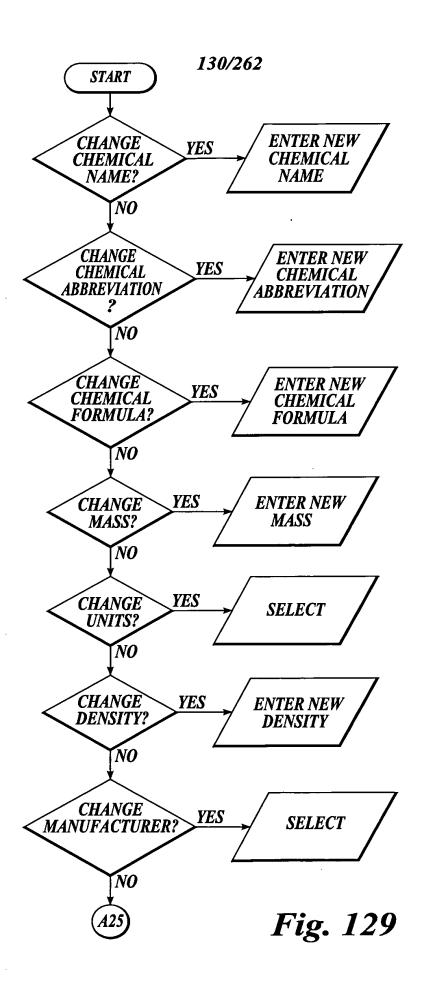


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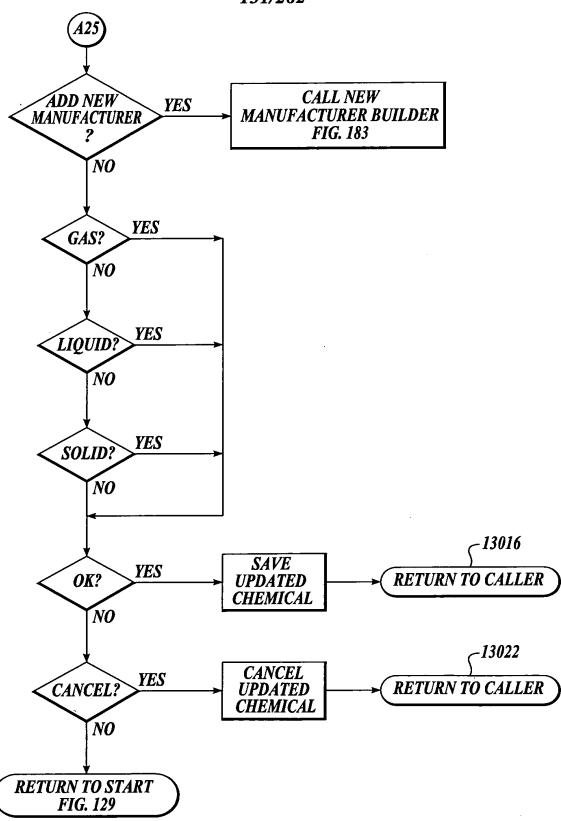


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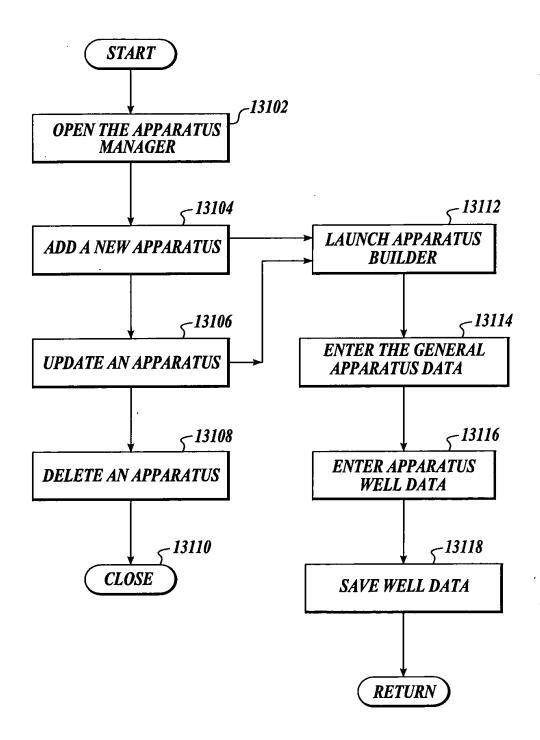
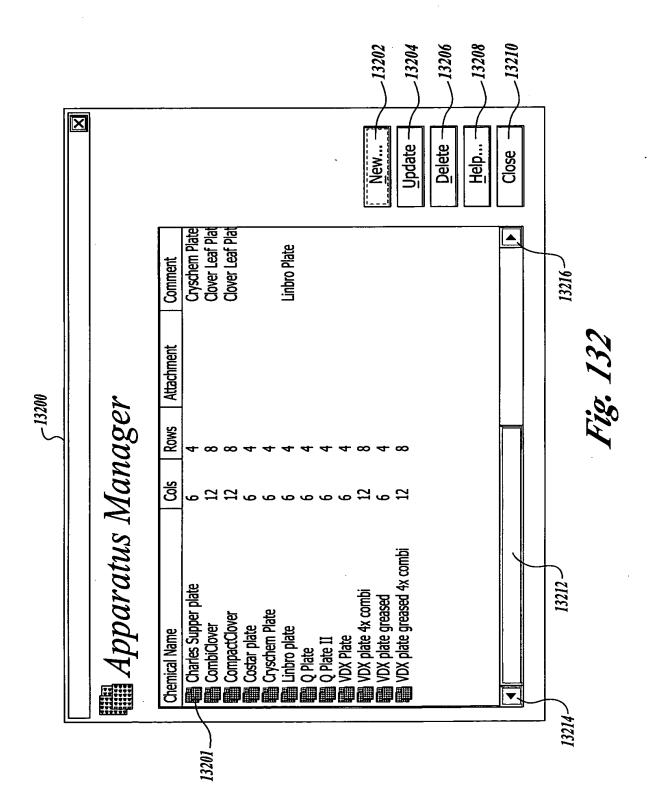


Fig. 131



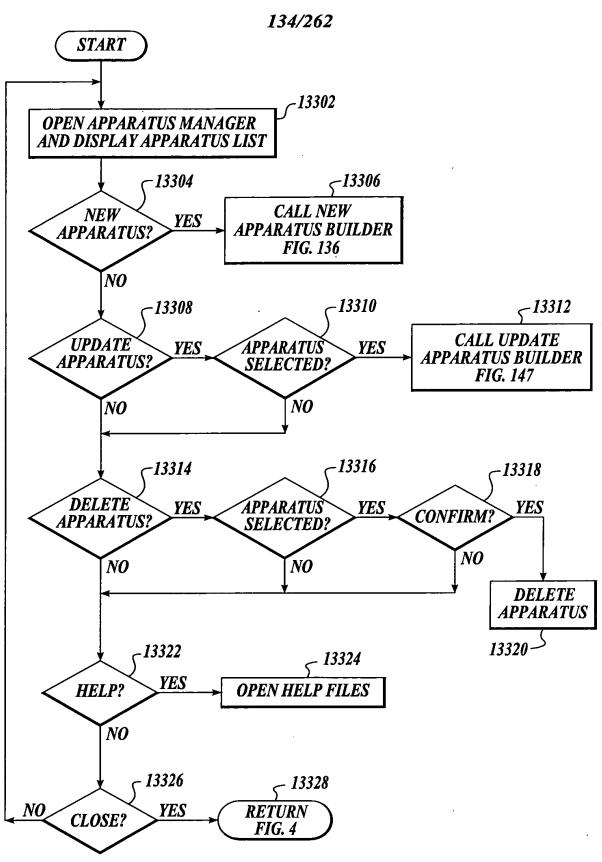


Fig. 133

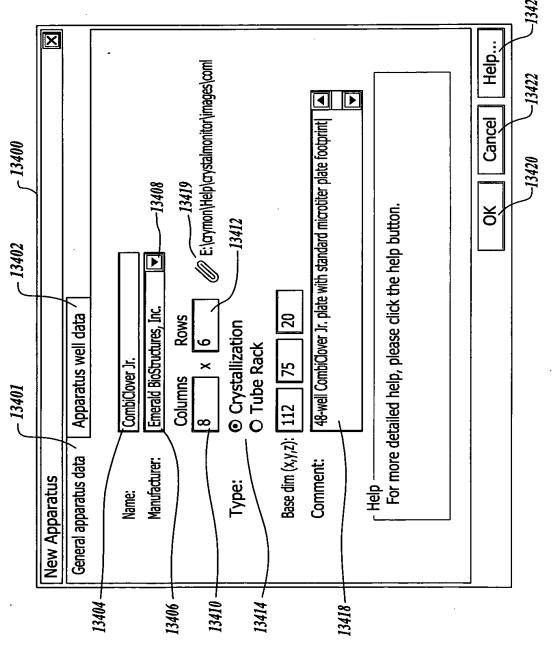
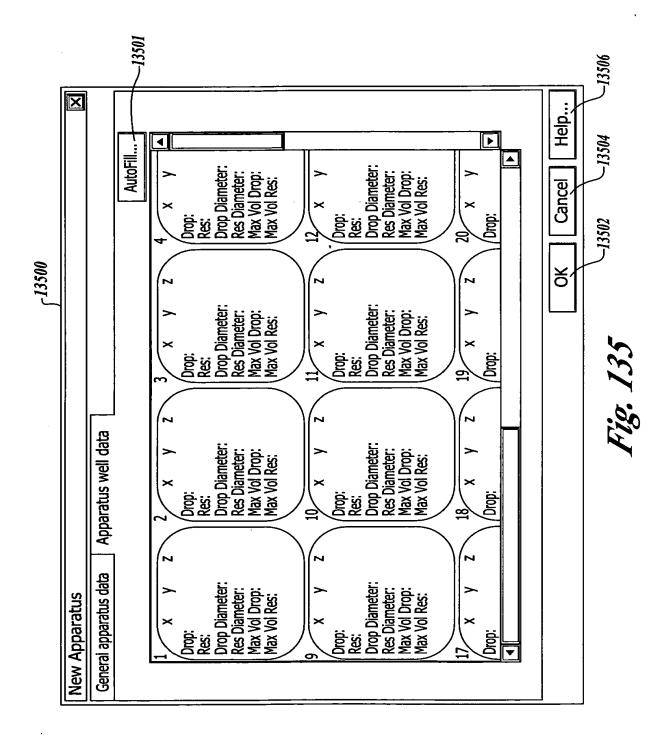
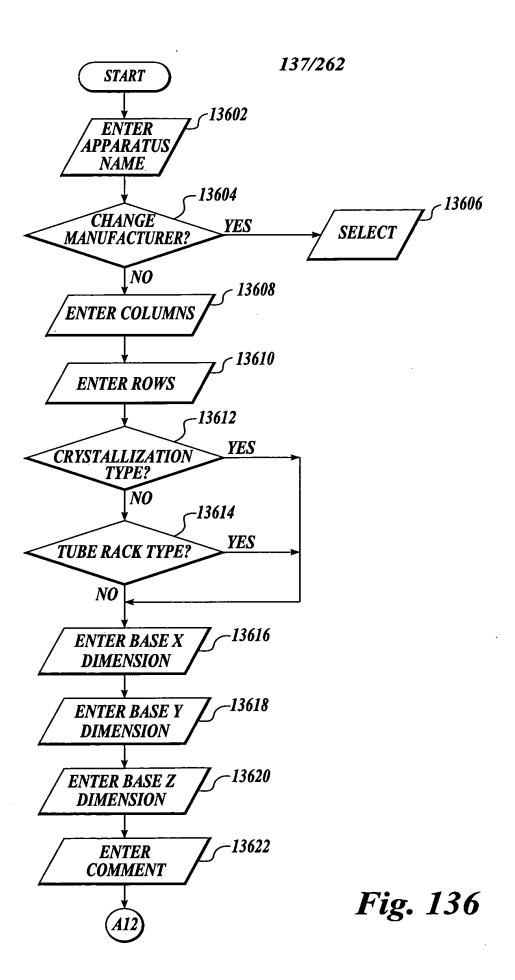
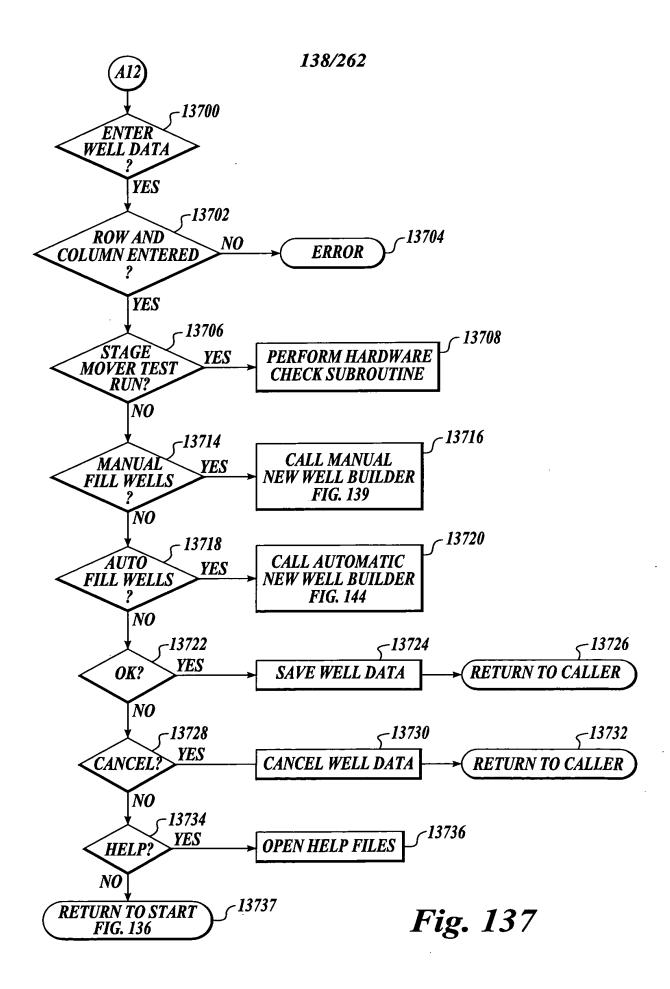


Fig. 134







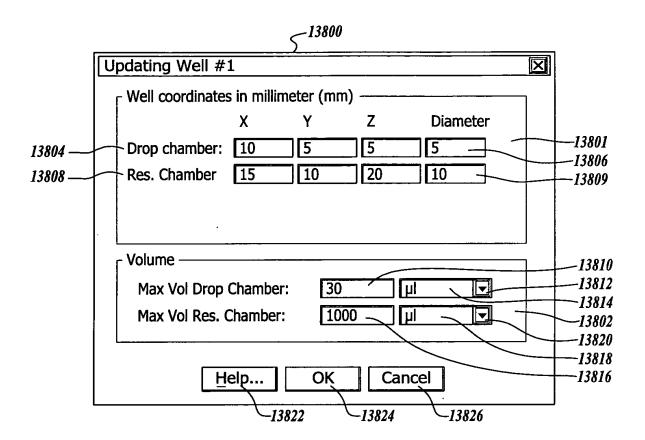


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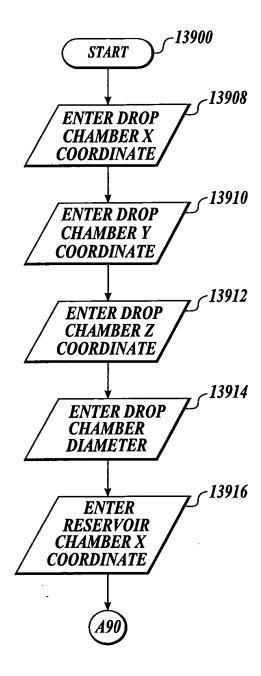
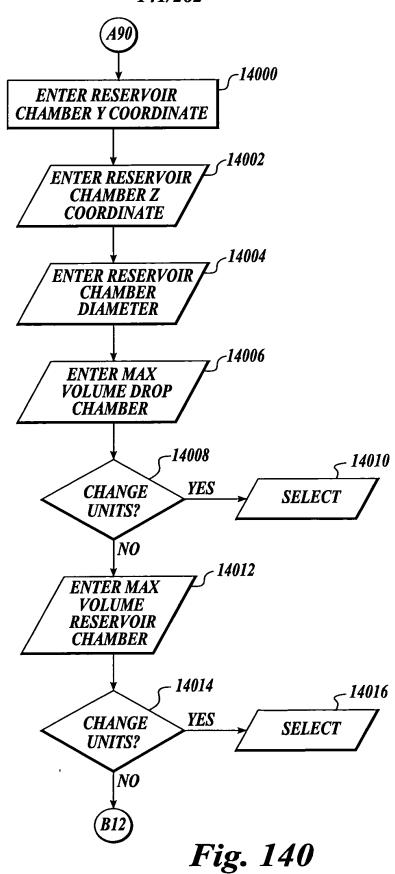


Fig. 139





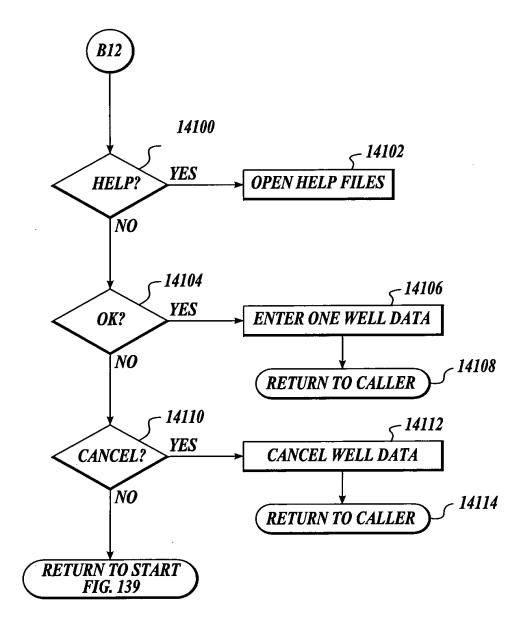


Fig. 141

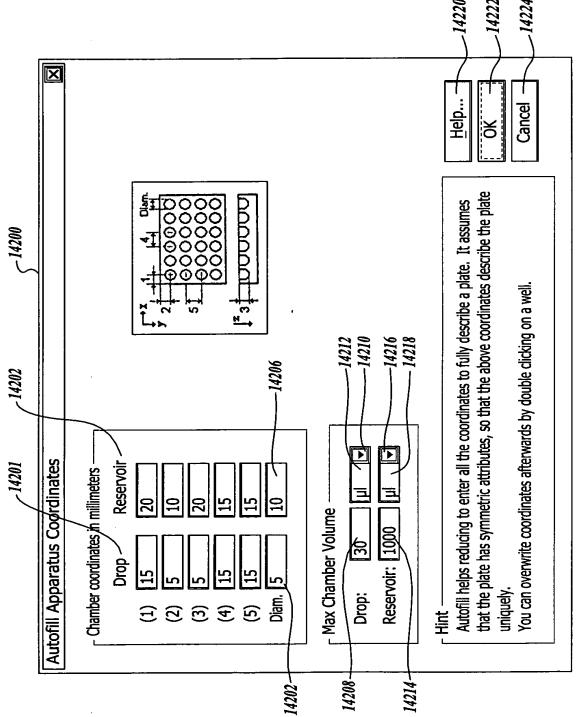


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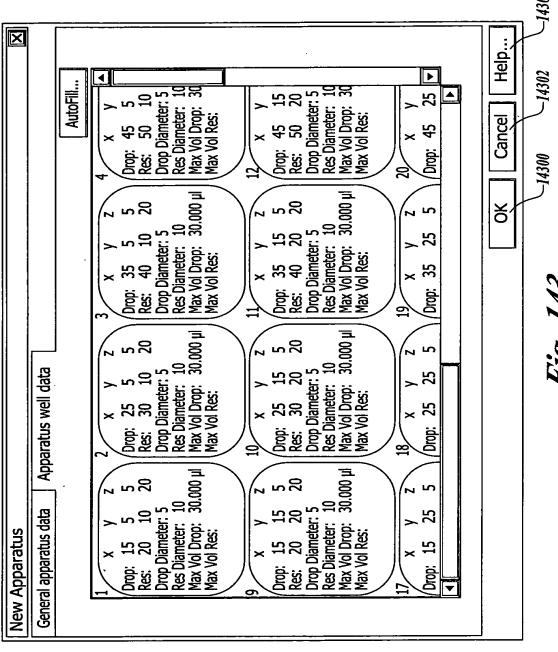


Fig. 145

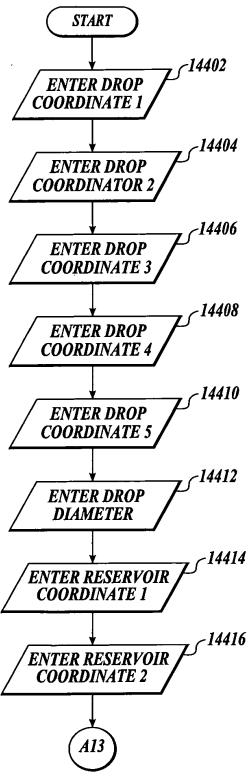


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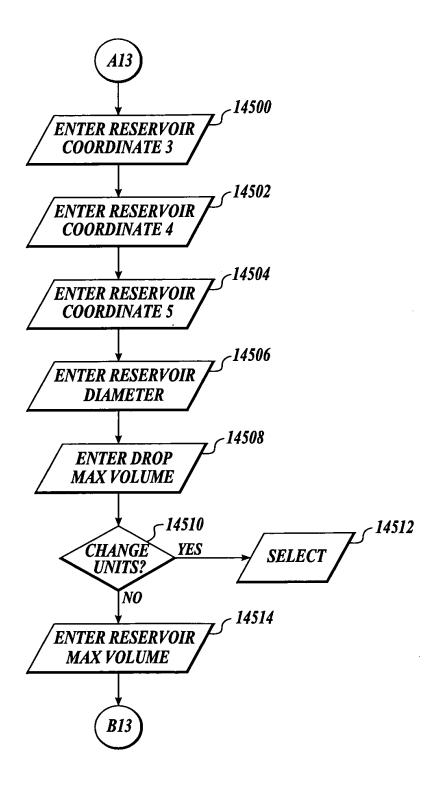


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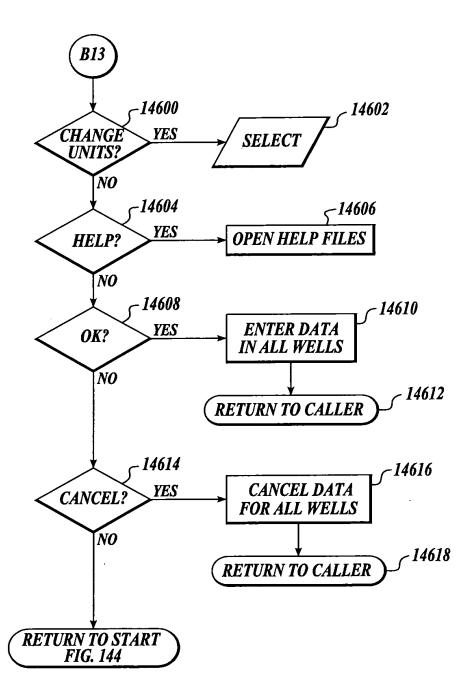
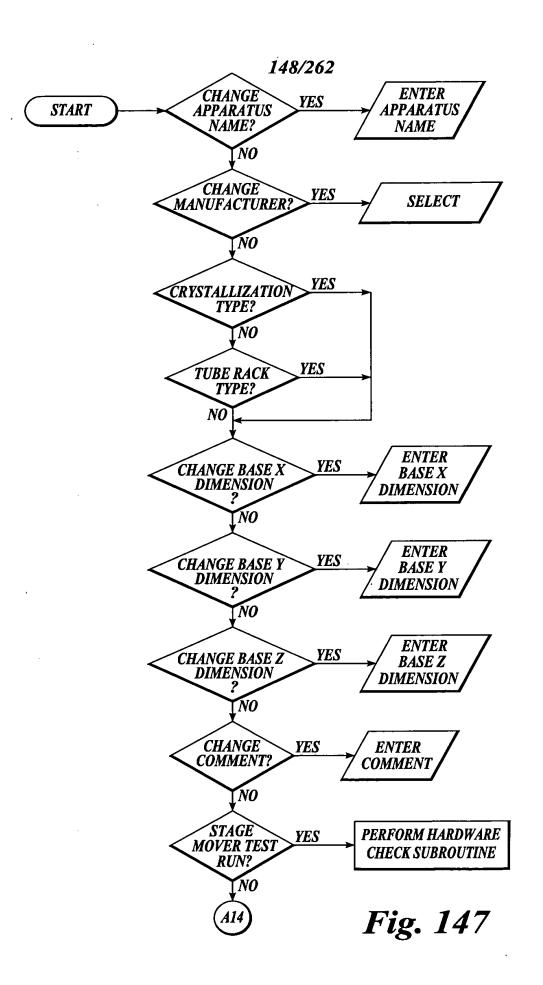


Fig. 146



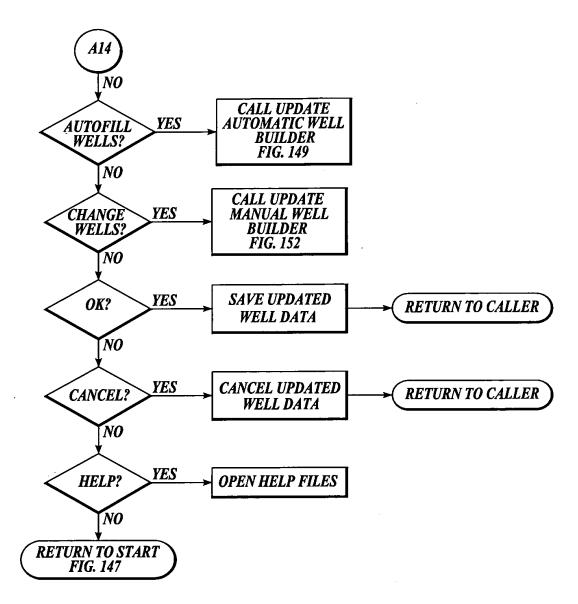
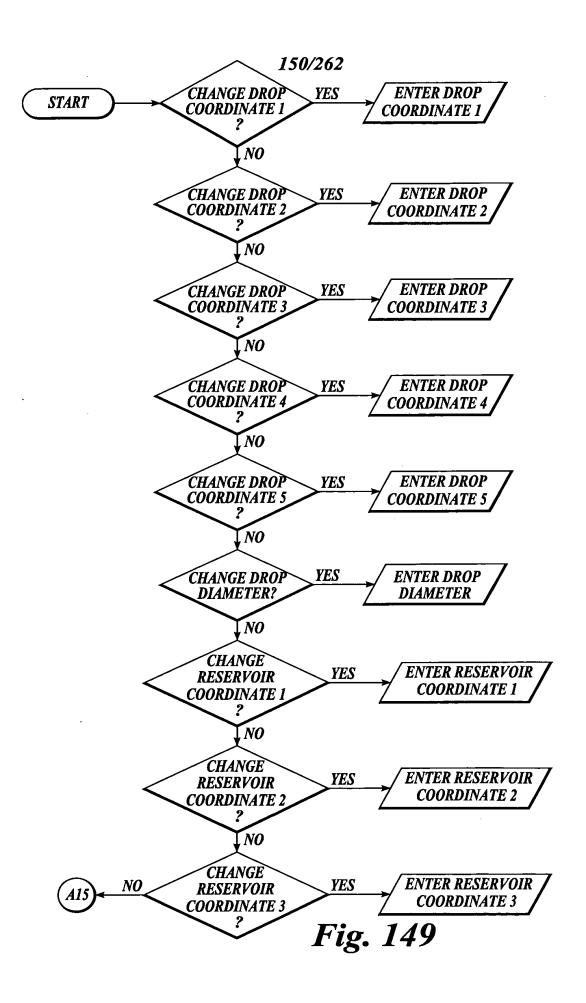


Fig. 148



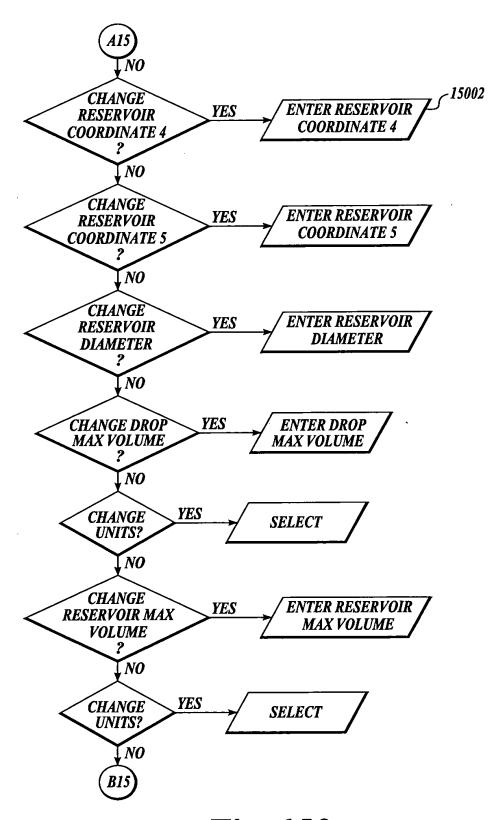


Fig. 150

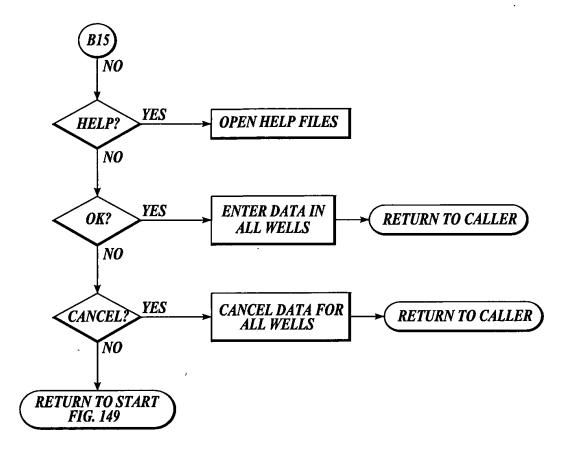
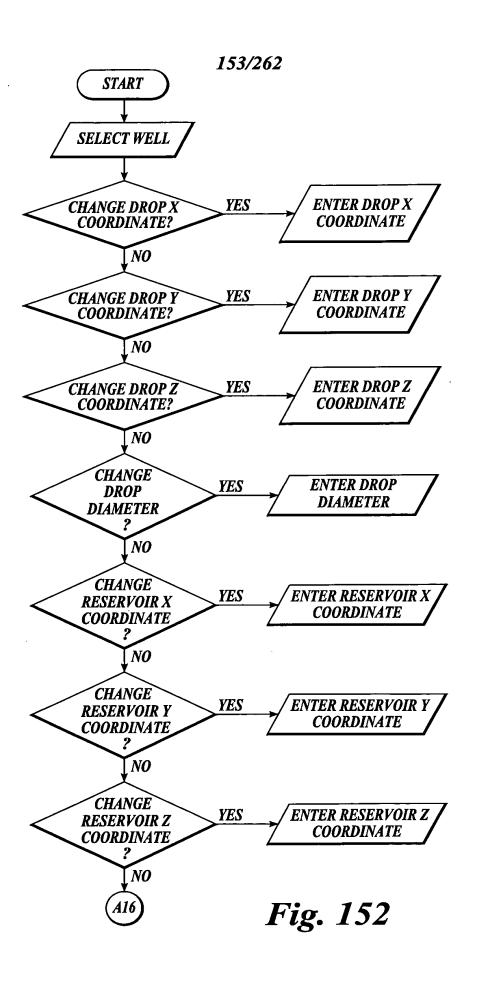
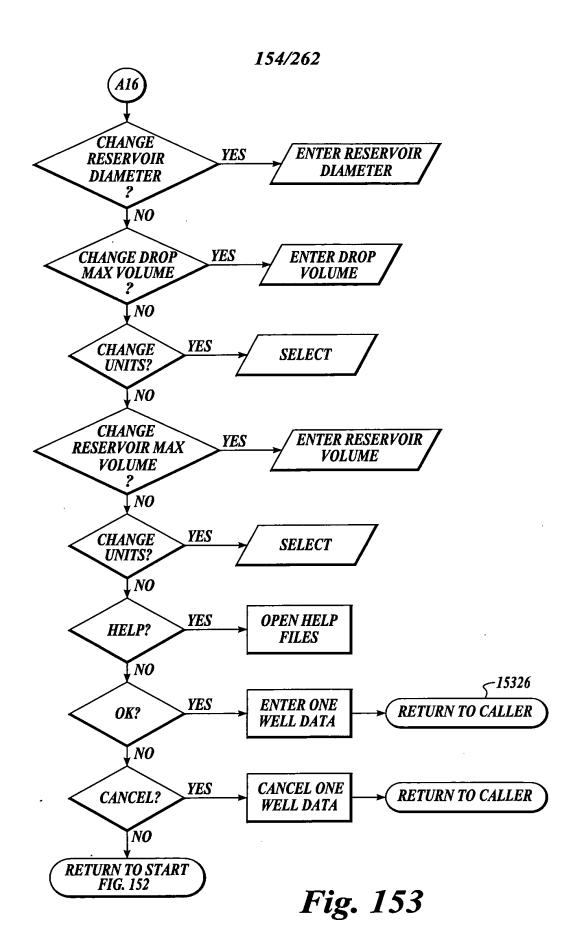


Fig. 151





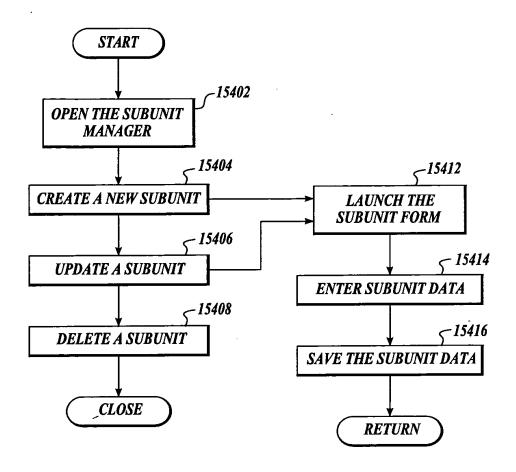


Fig. 154

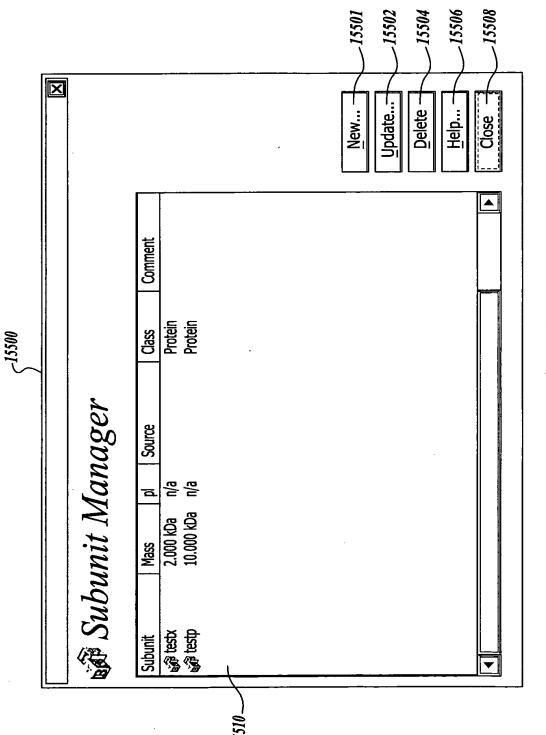


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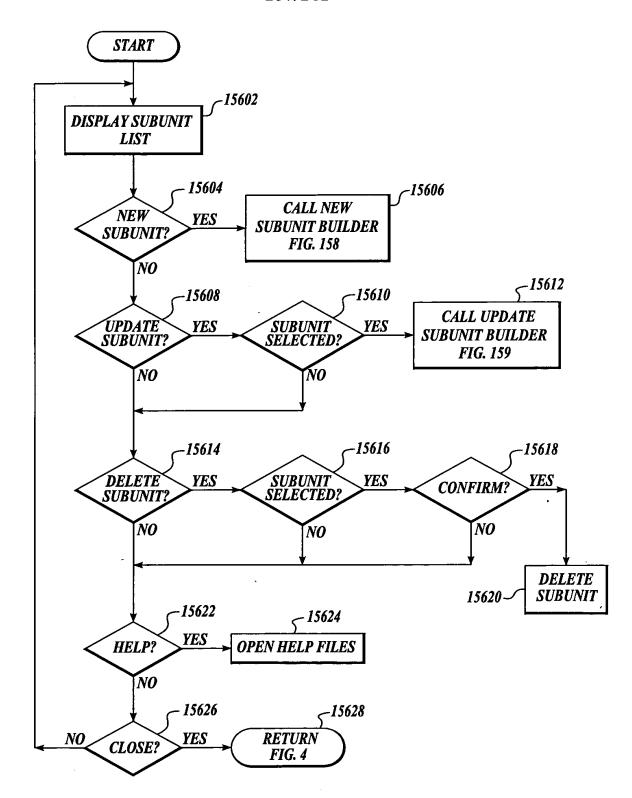


Fig. 156

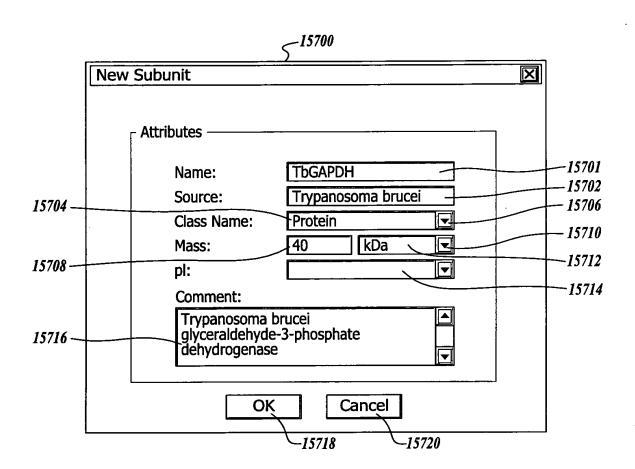


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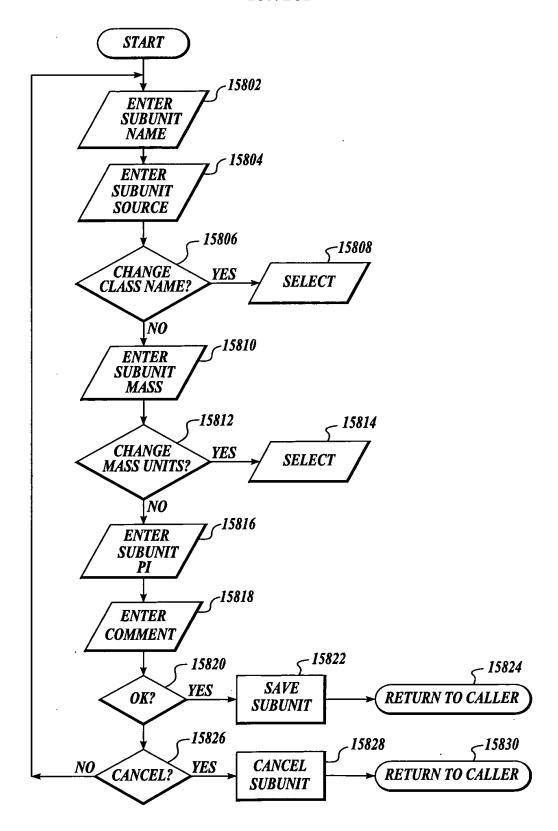
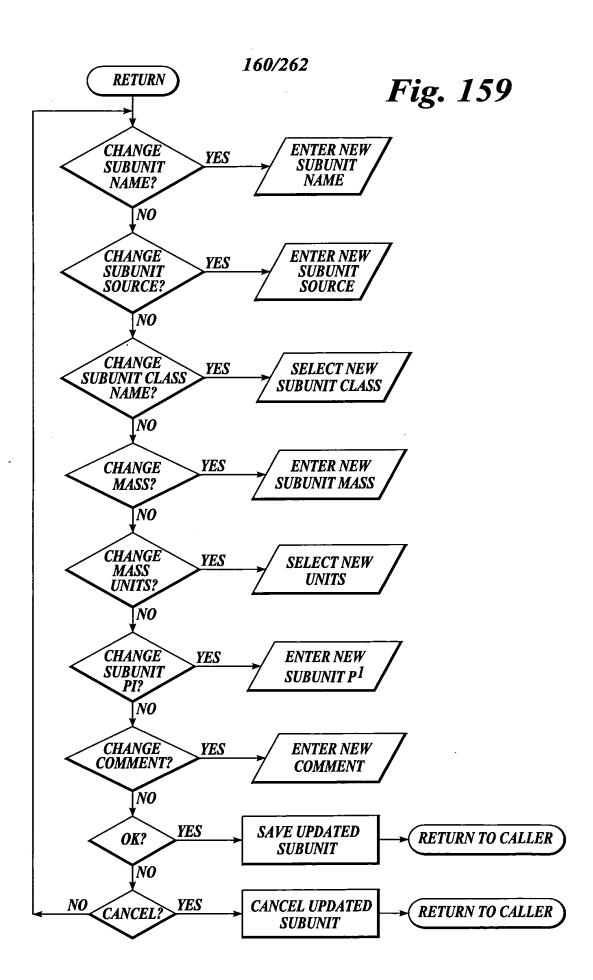


Fig. 158



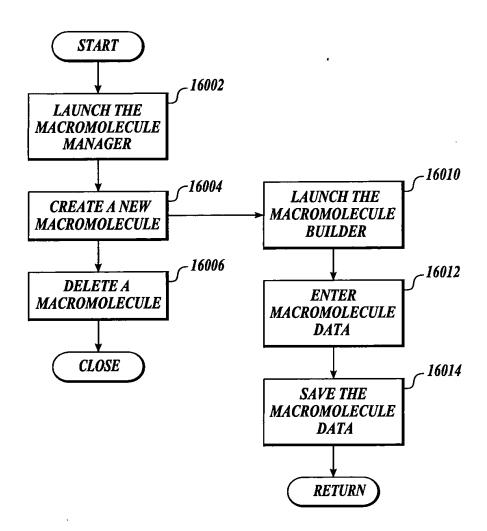


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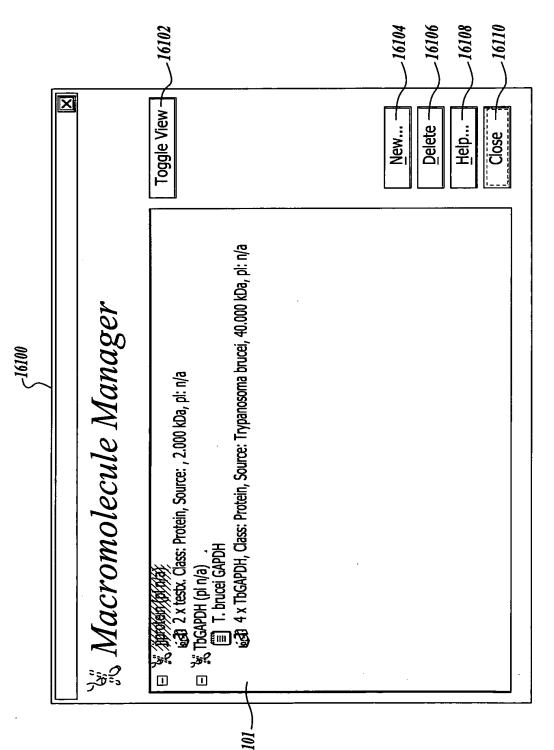


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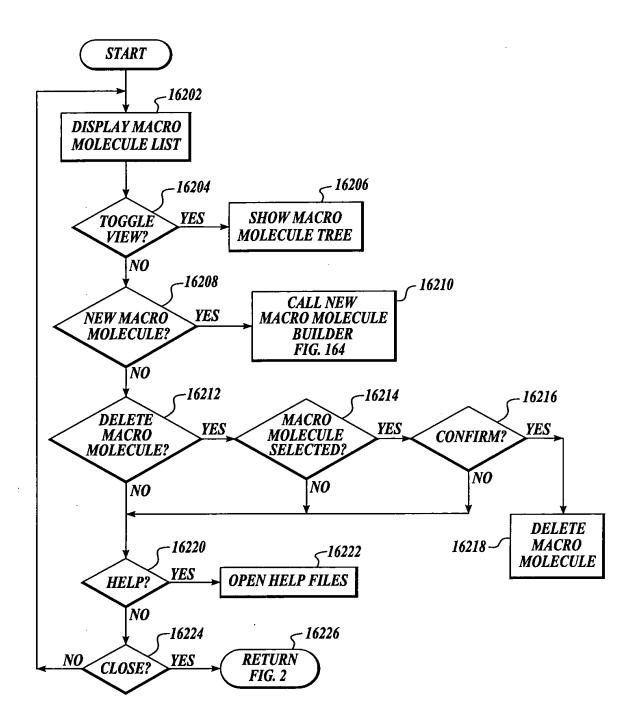


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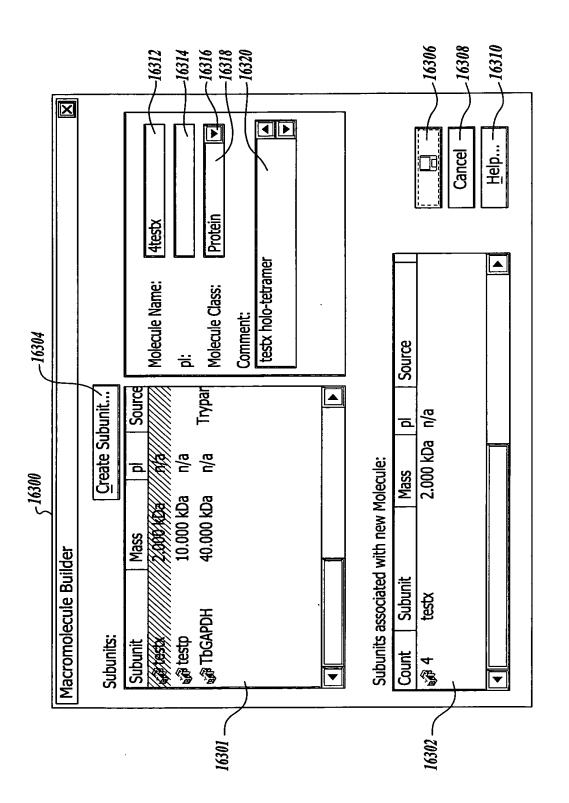
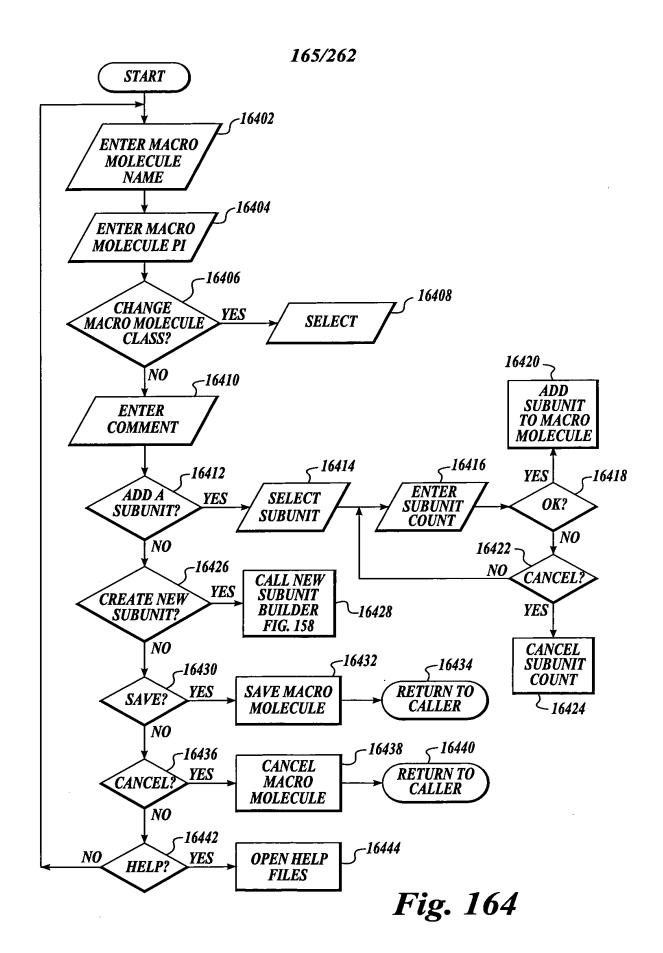


Fig. 163



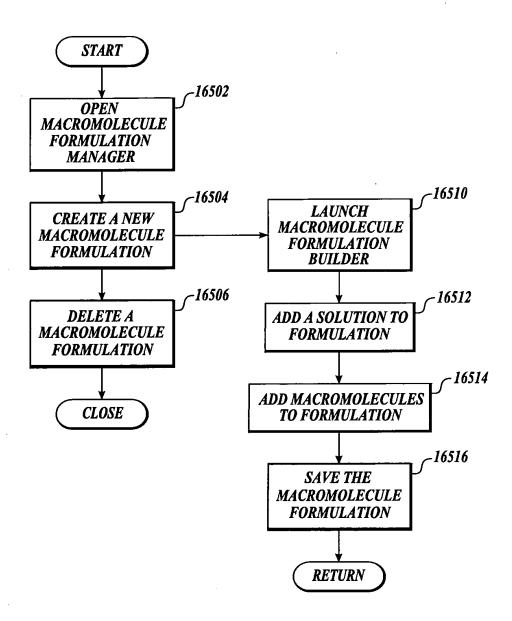


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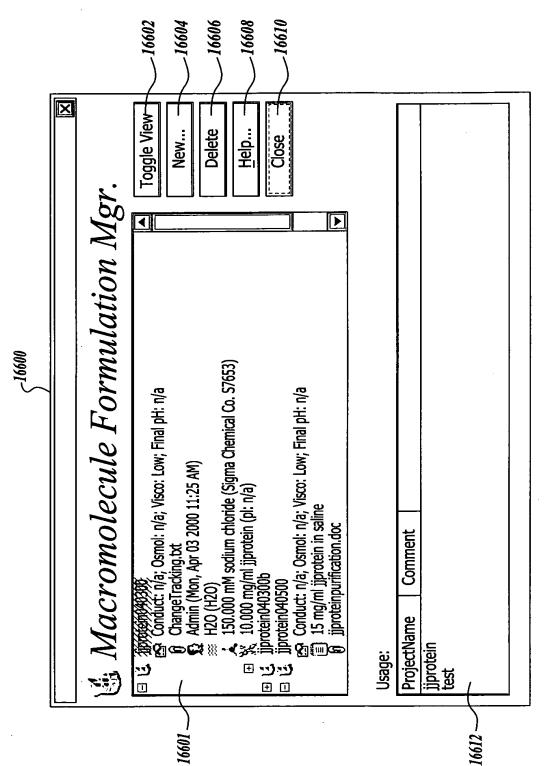


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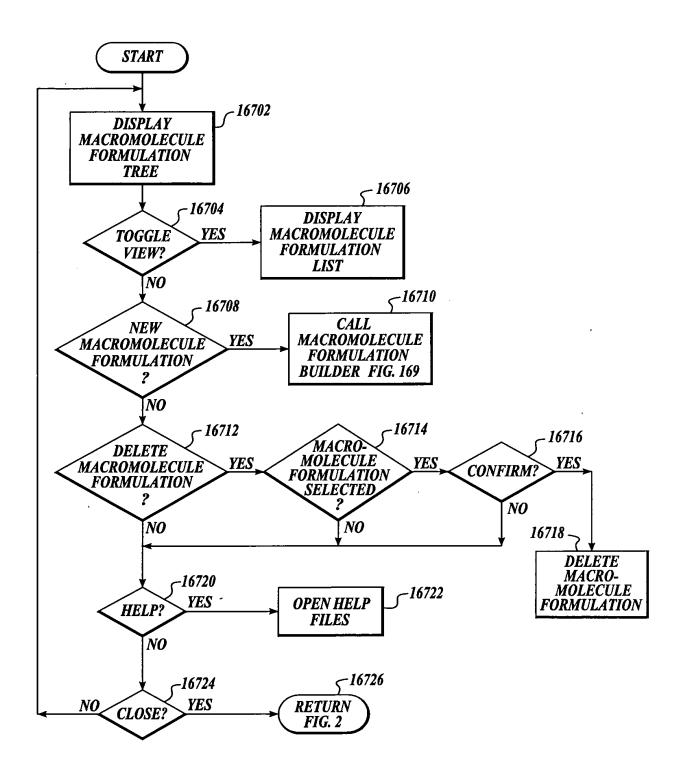


Fig. 167

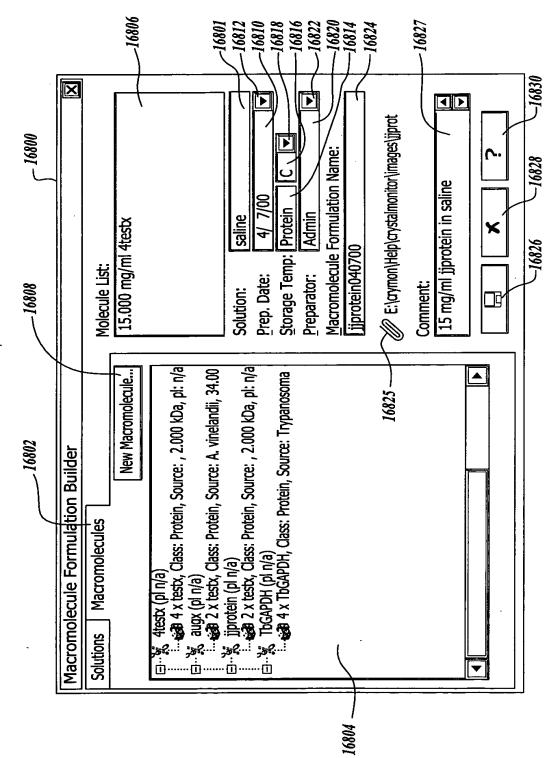


Fig. 168

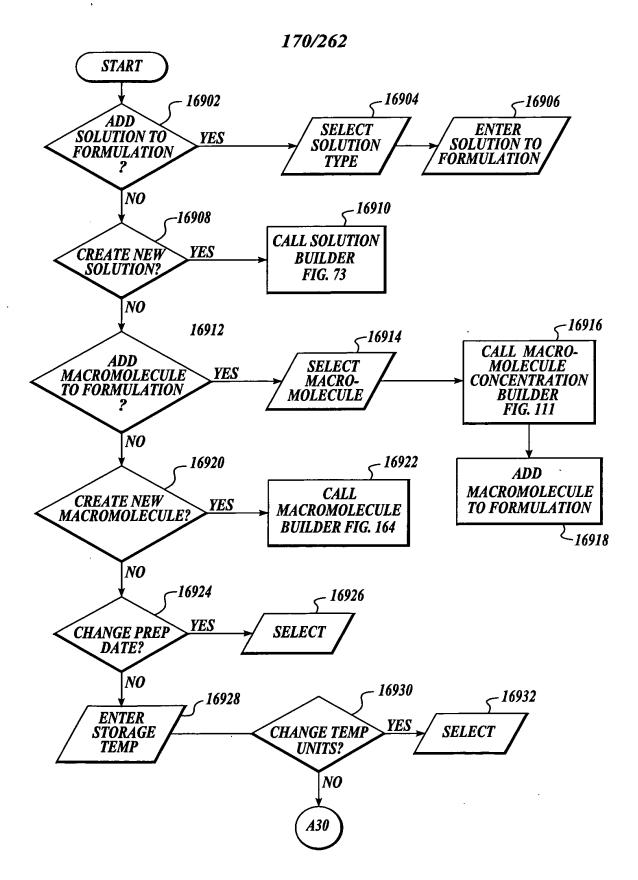


Fig. 169

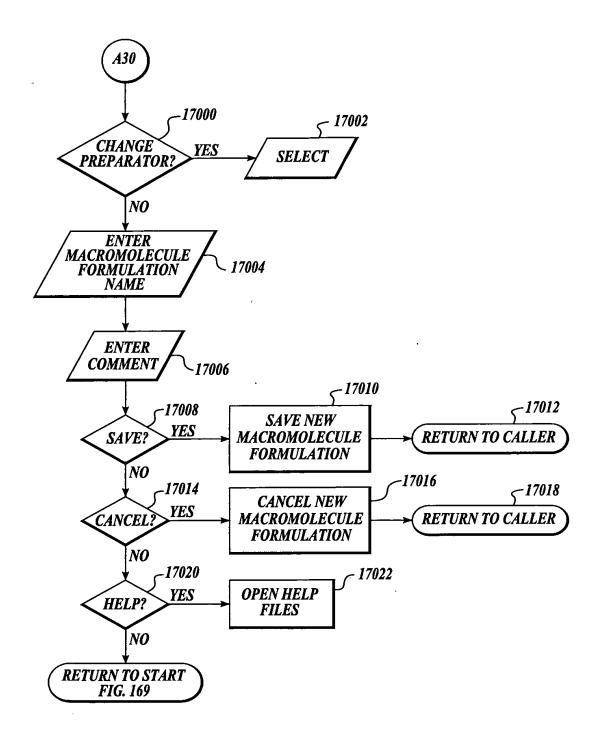


Fig. 170

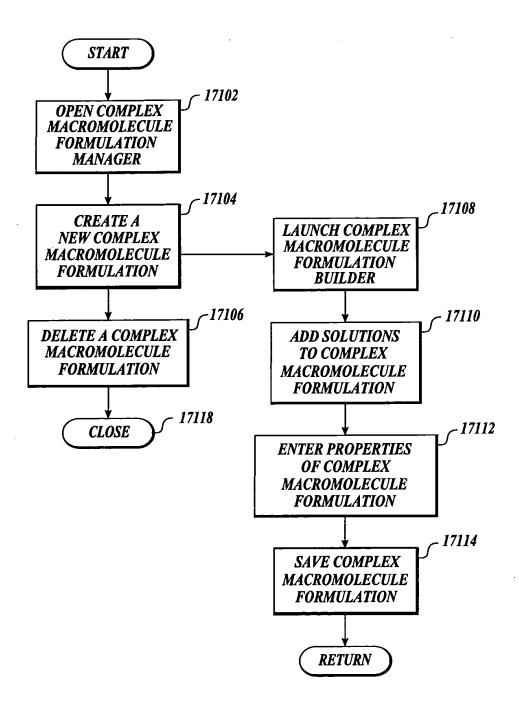
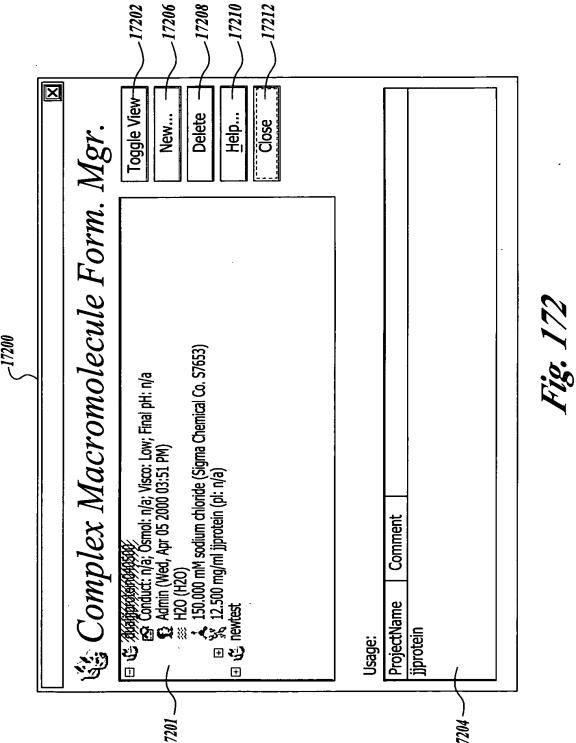


Fig. 171



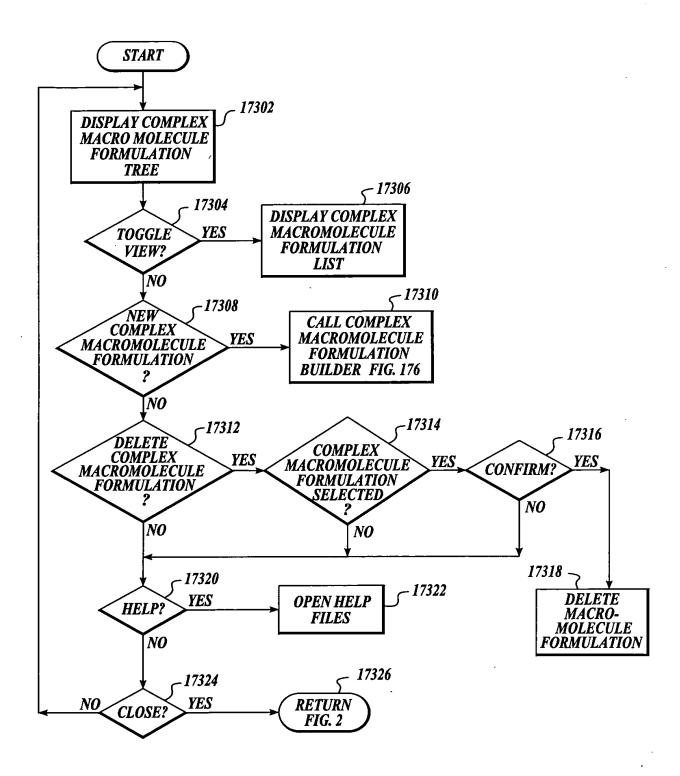


Fig. 173

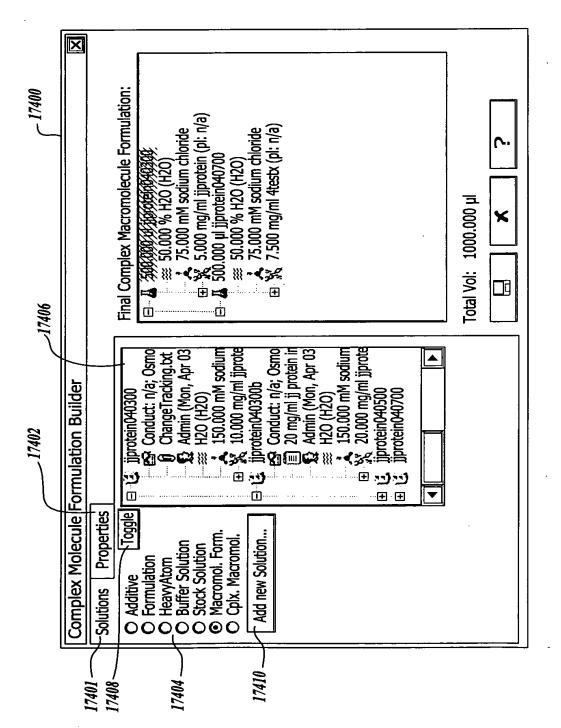
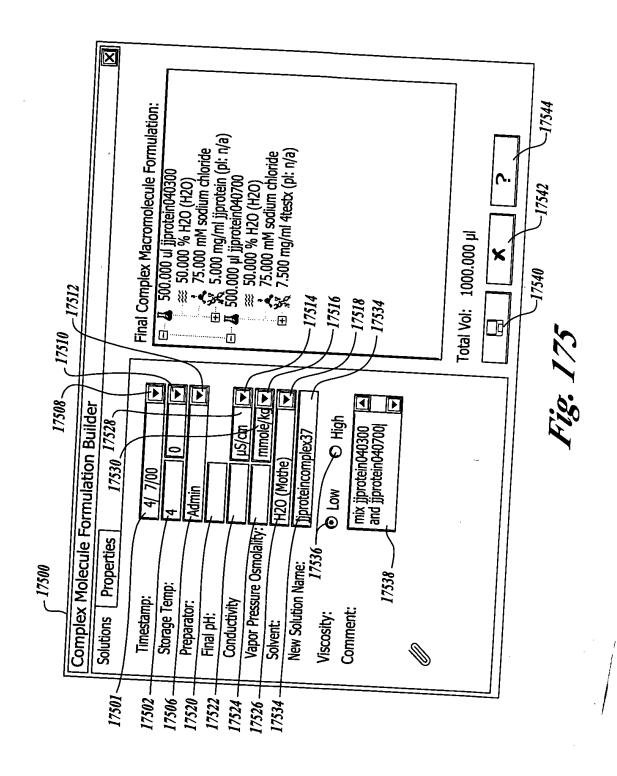
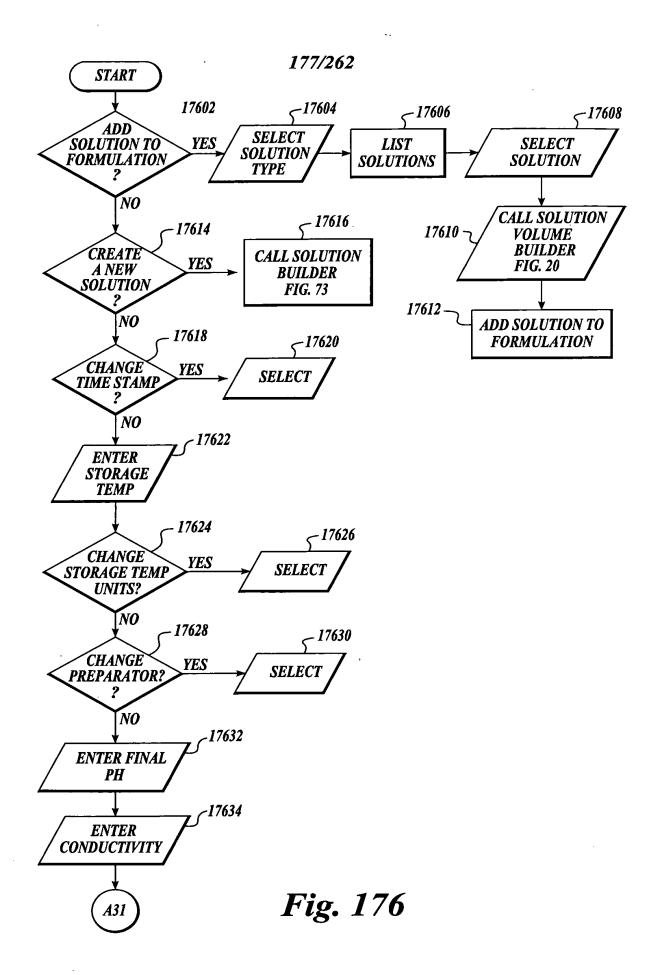
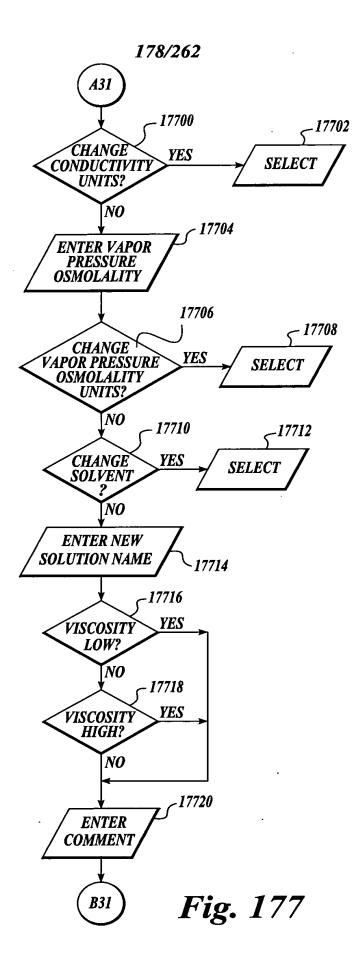


Fig. 174







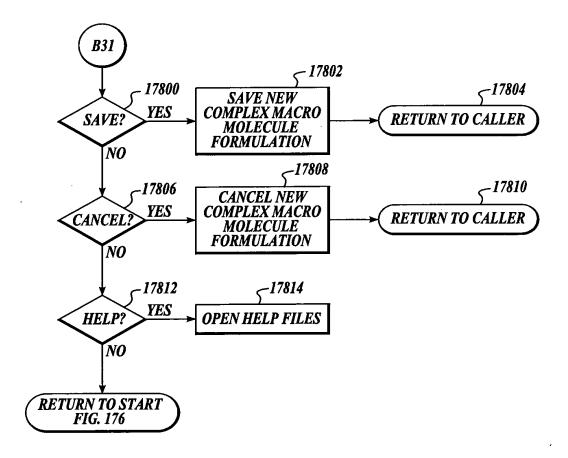


Fig. 178

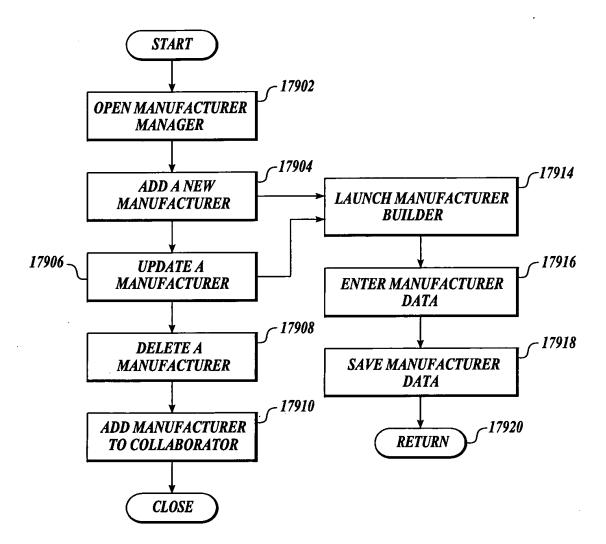
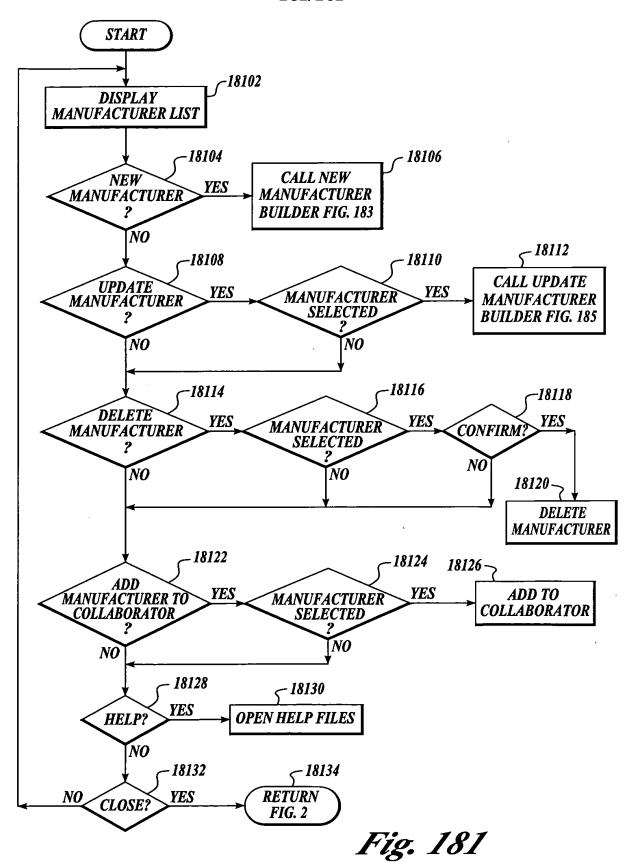


Fig. 179

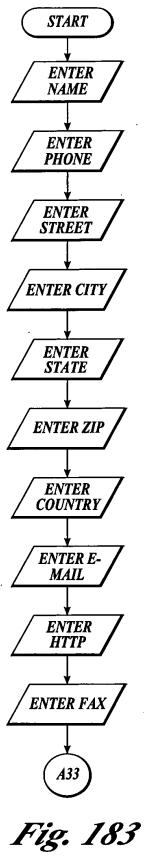
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 S.G	<u> </u>	Milwaukee Pittsburgh	
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		West Chester	
J. I. Baker (800) 582-253/	222 Red School		
	2800 Woods Ho	Madison	New
Pierce Chemical Co. (800) 874-3723	(7)	Rockford	
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Inc	3300 Hyland Ave.	Costa Mesa	Doloto
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Amersham Pharmacia Biote (800) 526-3593	800 Centennial	Piscataway	Add to Collab
Invitrogen Corp. (800) 955-6288	1600 Faraday A	Carlsbad	
Calbiochem-Novabiochem C (800) 854-3417	P.O. Box 12087	La Jolla	- Isp.: -
<b>4.</b> Hampton Research Corp. (800) 452-3899	27632 El Lazo Rd.	Laguna Niguel	

Fig. 180



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Name:	Emerald BioStructures, Inc.		18200
			<i>—18202</i>
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Street:	7865 NE Day Rd. W. —		<b>— 18206</b>
City:	Bainbridge Island —		— 10200
State:	WA		<u>—18208</u>
Zip:	98110		<i>— 18210</i>
Country:			— 18212
Email:	info@emeraldbiostructures.com		— <i>18214</i>
HTTP:	http://www.emeraldbiostructures.com	Connect	<b>—18216</b>
Fax:	(206) 780-8547		<del> 18218</del>
Dept:			<b>—18220</b>
	OK Cancel 18224 18.	226	—18222

Fig. 182



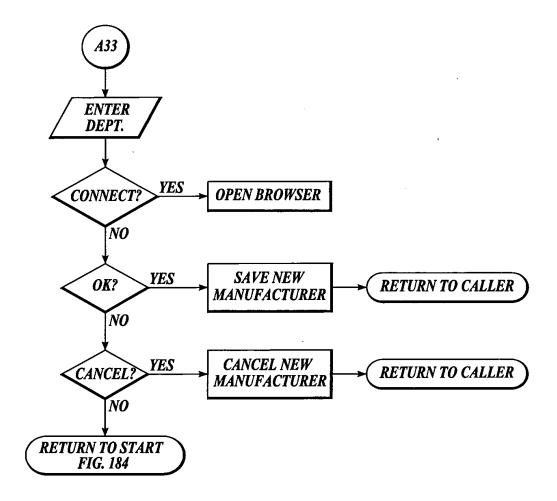
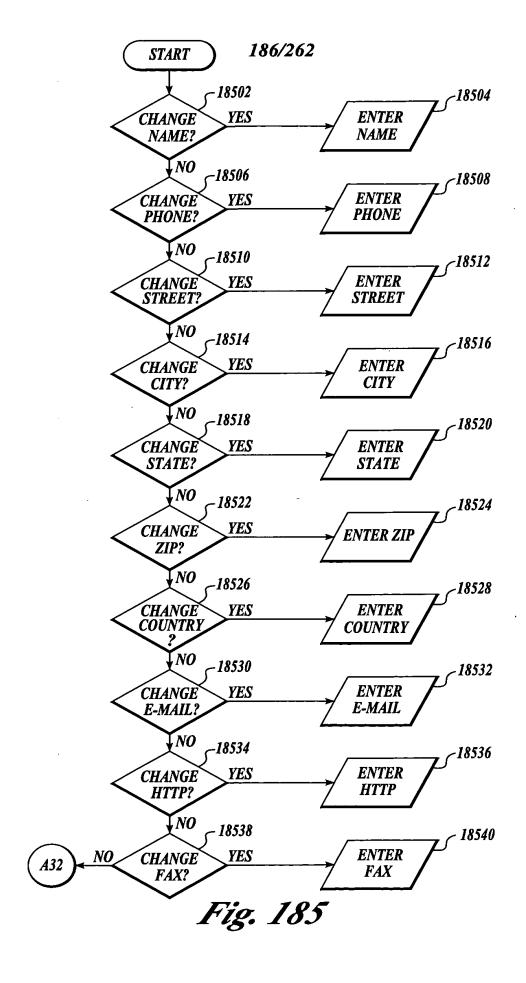


Fig. 184



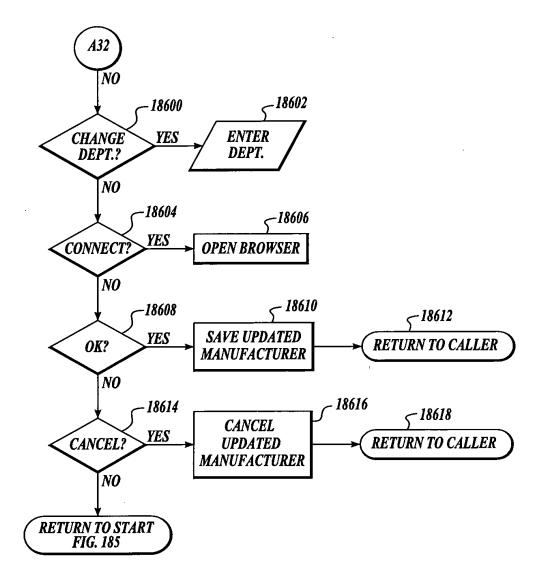


Fig. 186

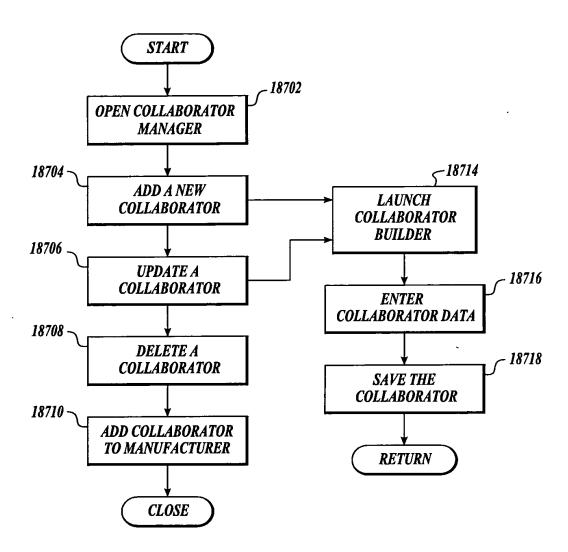


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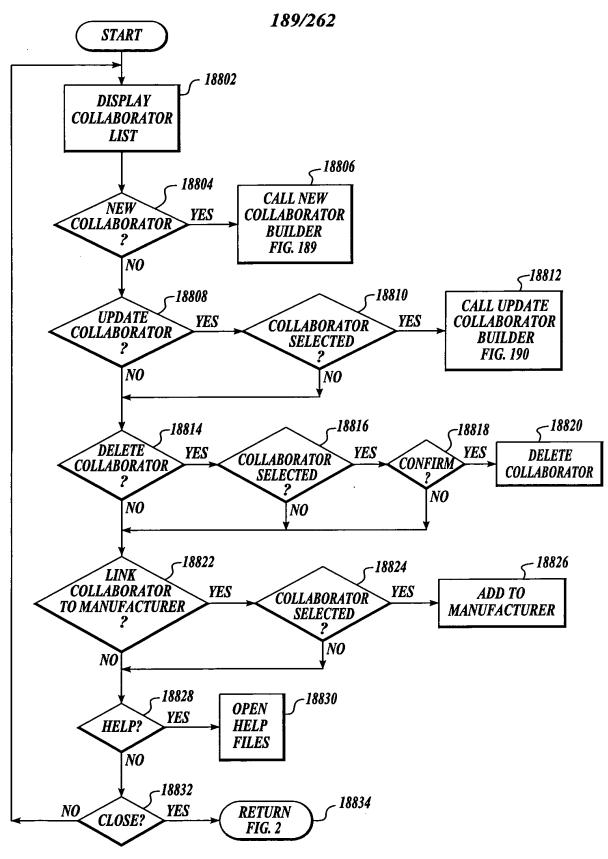


Fig. 188

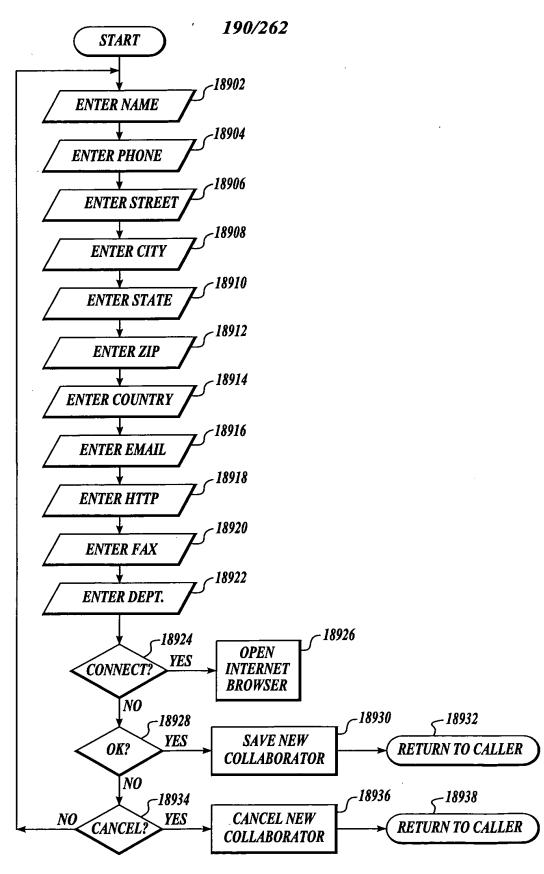
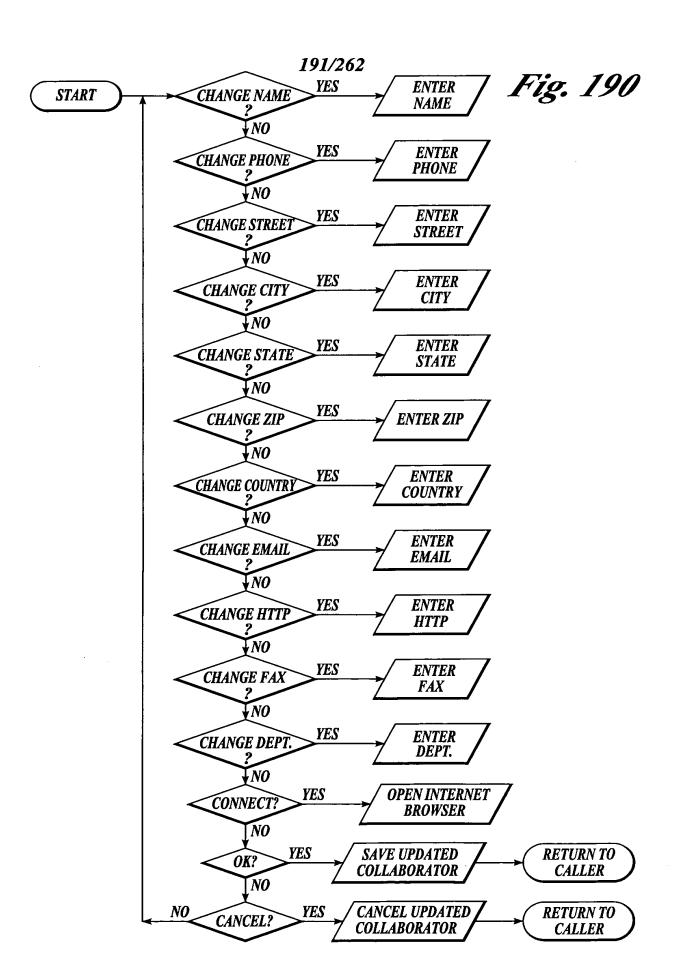


Fig. 189



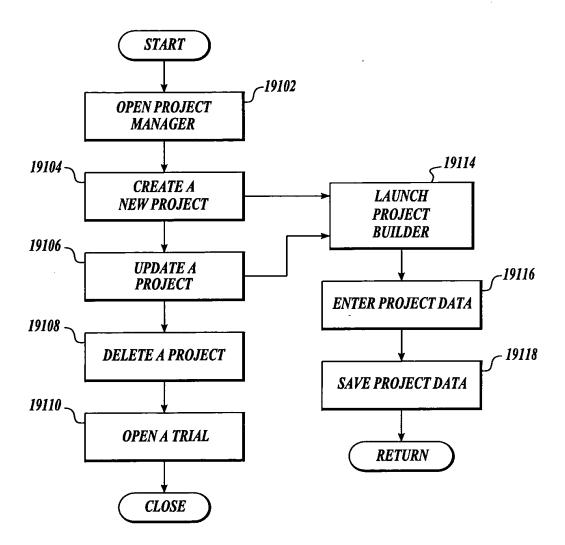


Fig. 191

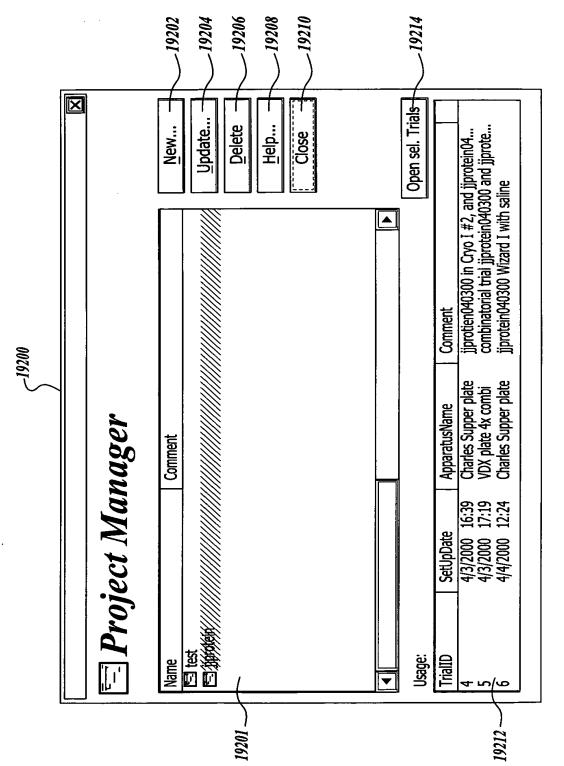


Fig. 192

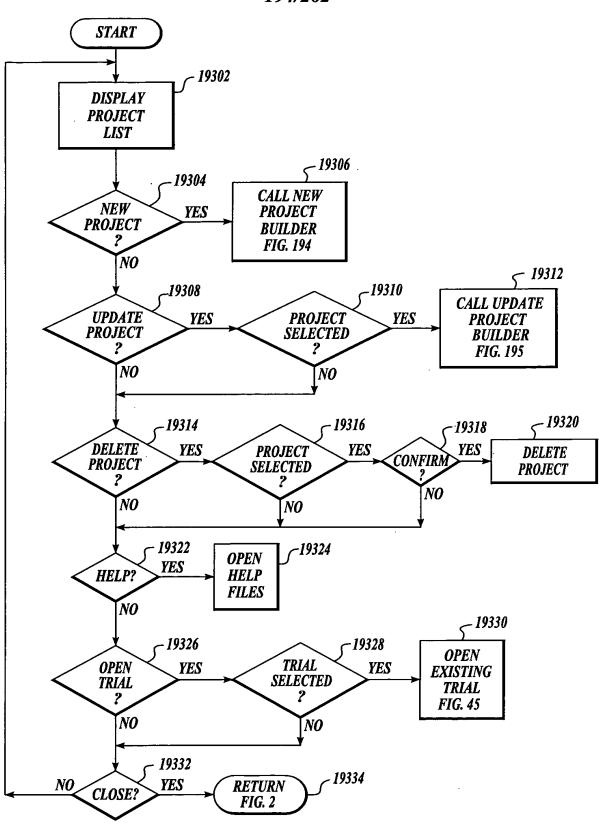


Fig. 193

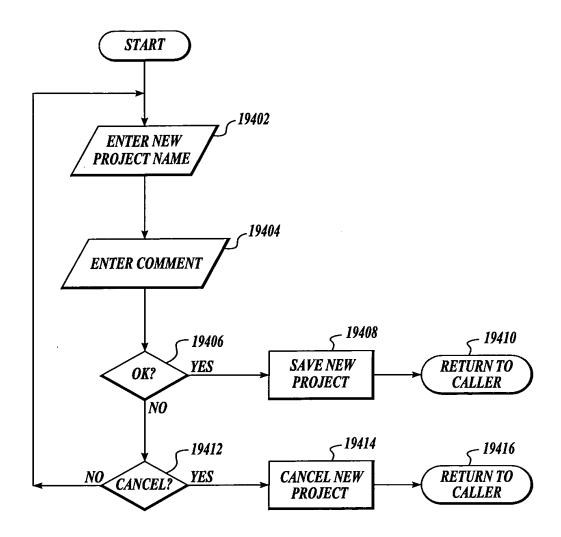


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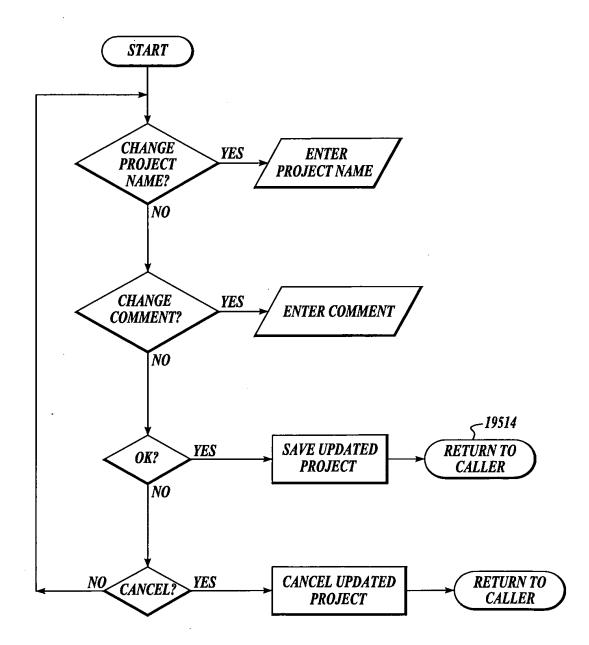


Fig. 195

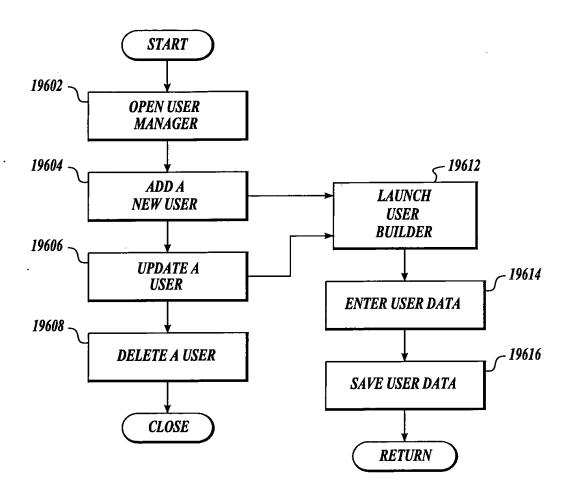


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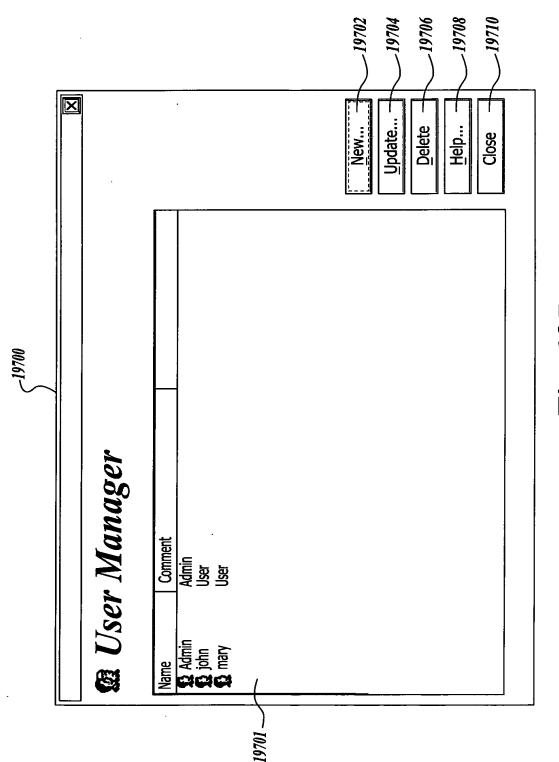


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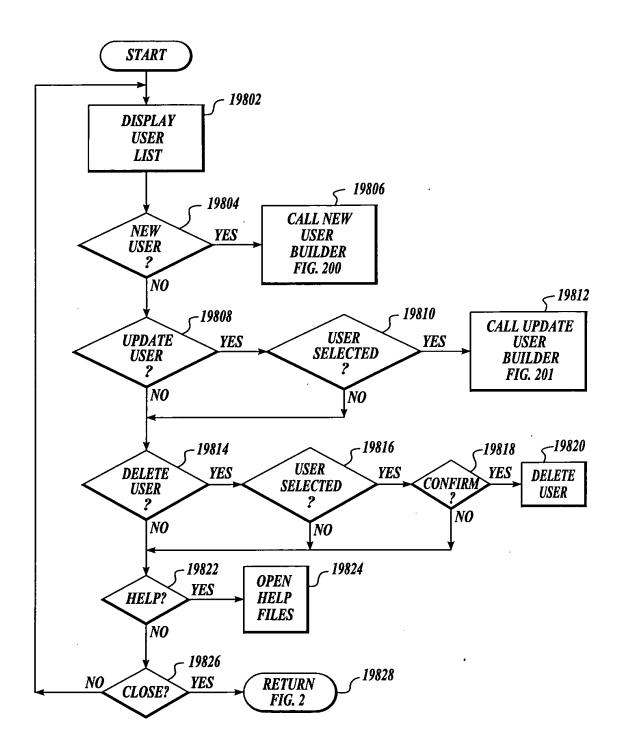


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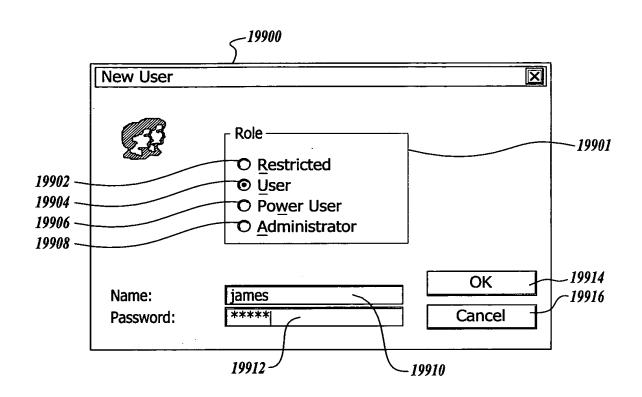


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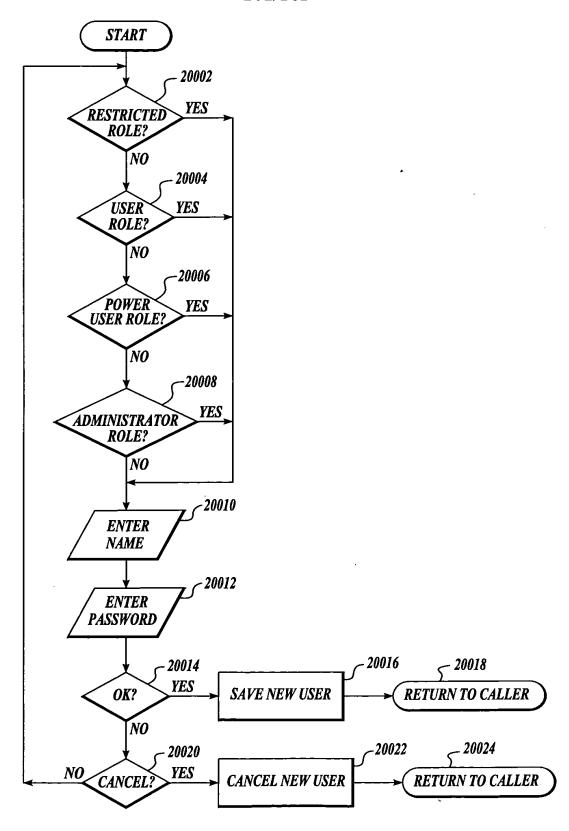


Fig. 200

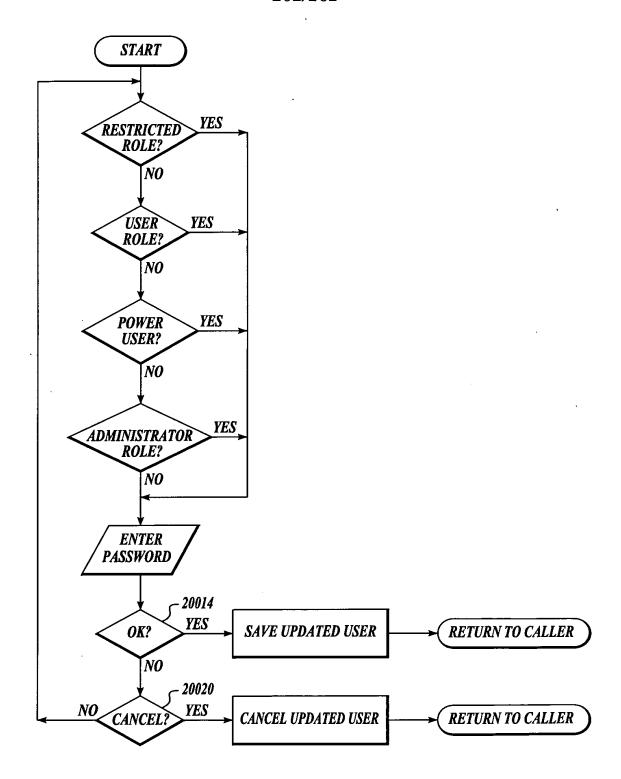


Fig. 201

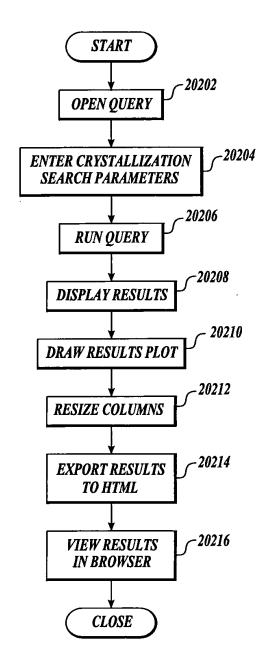
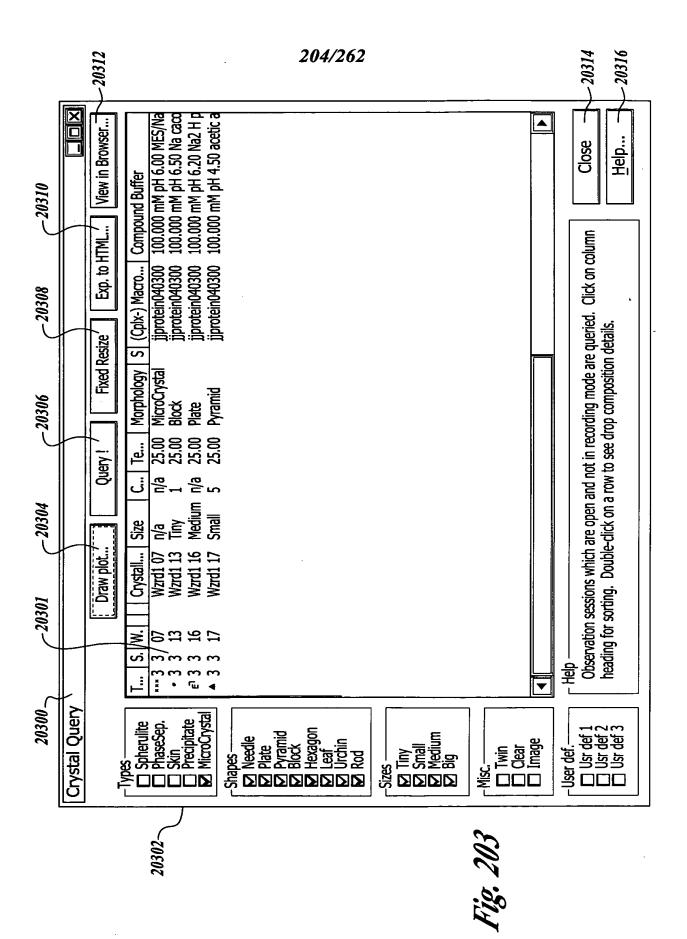
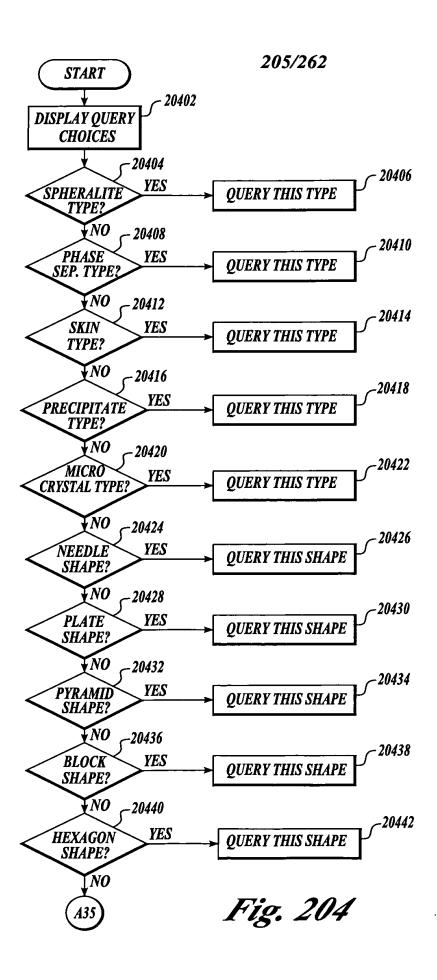


Fig. 202





Į.

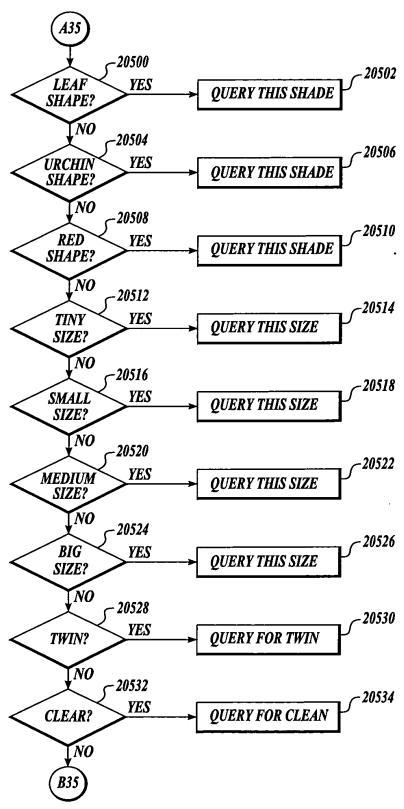


Fig. 205

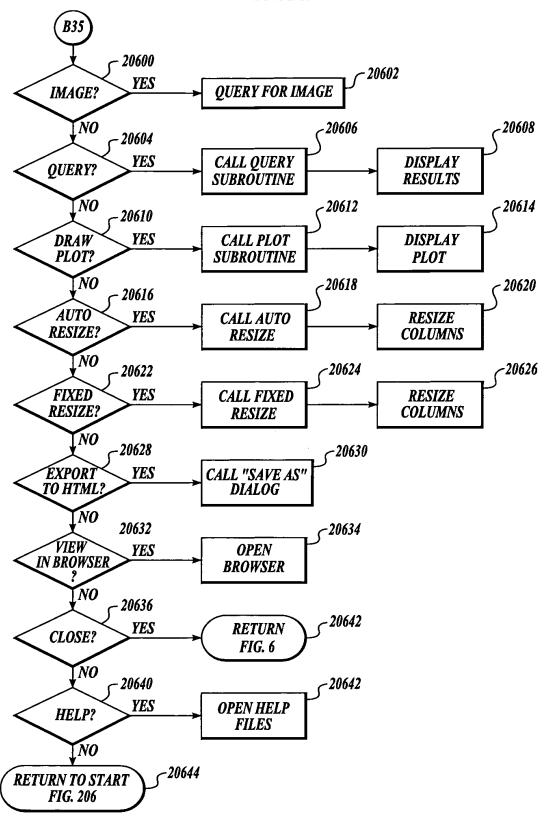


Fig. 206

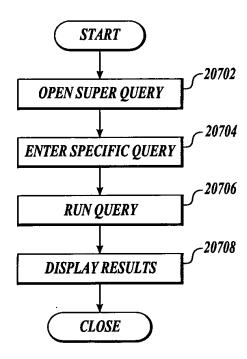


Fig. 207

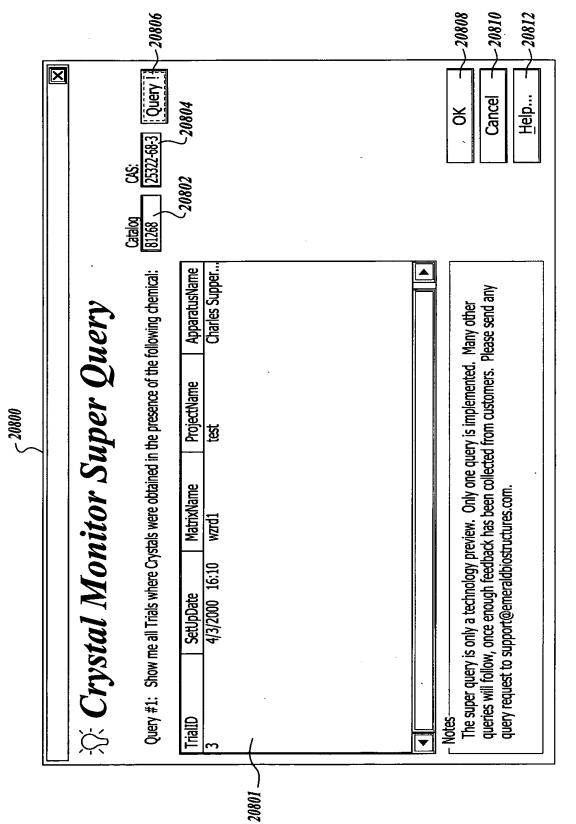


Fig. 208

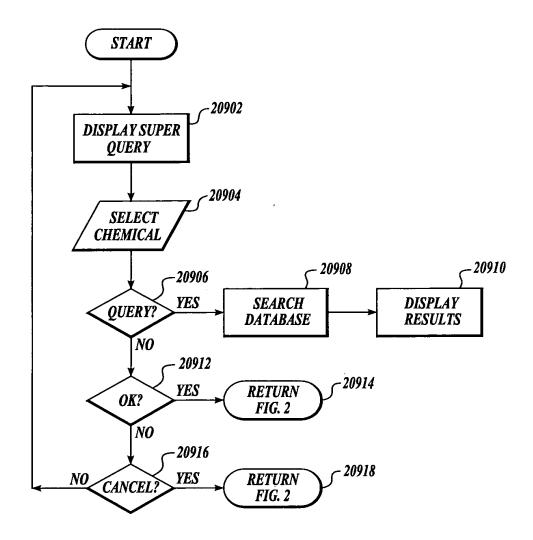


Fig. 209

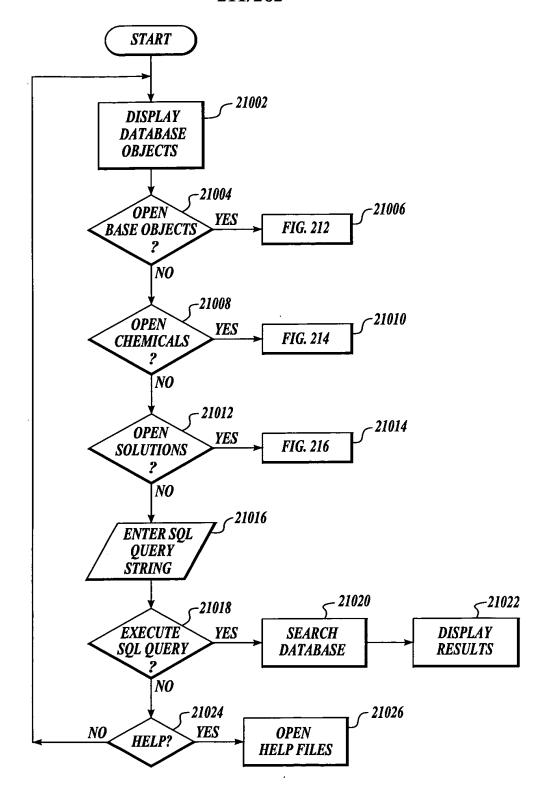
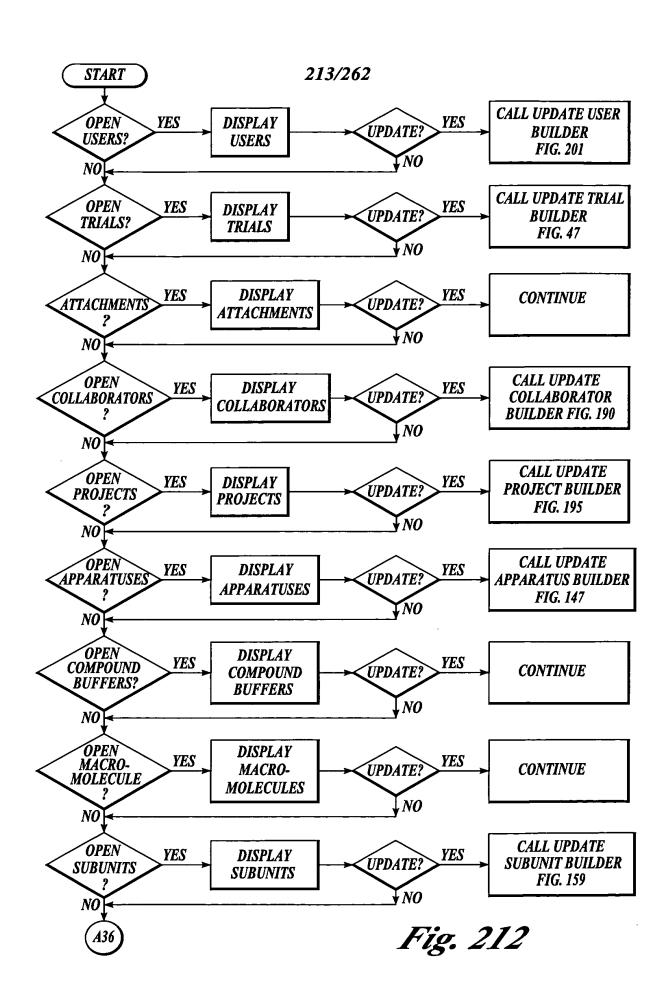


Fig. 210

,					21102					· ·											21104		1
			•		7											_		Ī	<b>b</b>			111	
			MolecularMass	160.	294.1 132.1	132.1	132.1	128.	132.1	58.44	120.	120.	119.96	282.2	68.01	219.5	203.3	158.2	214.5		Help		
			Formula	C2H6AsO2Na	C6H5Na3O/*2H (NH4)2SO4	(NH4)2SO4	(NH4)2SO4	Li2S04*H20	(NH4)2HPO4	NaCl	NaH2P04	NaH2PO4	NaH2P04	C4H4O6NaK*4H	CHOZNa	Zn(C2H3O2)2*2	MgCl2*6H2O	Ca(C2H302)2	Mg(C2H3O2)2*4				
			ShortName	sodium cacodyl	sodium citrate ammonium sulfate	ammonium sulfate	ammonium sulfate	lithium sulfate	dibasic ammoniu	sodium chloride	monobasic sodi	monobasic sodi	monobasic sodi	K/Na tartrate	sodium formate	zinc acetate	magnesium chlo	calcium acetate	magnesium acet				
21100 \		Attributes:	Attributes:	ChemicalName	dimethuylarsinic	sodium citrate tri ammonium sulfate	ammonium sulfate	ammonium sulfate	lithium sulfate m	ammonium phos	sodium chloride	sodium phospa	sodium phospa	sodium phospa	potassium sodiu	sodium formate	zinc acetate dih	magnesium chlo	calcium acetate	magnesium acet	V		
												-								<b>•</b>			
	Database Object Manager	Crystal Monitor Objects:	⊕ C Base Objects	Chemicals  Officering Asset	D pHConjugate	Precipitant		] { 		Reducing Agent			Organic	heavyAtomCompound	. Weta		Solvent		⊕ Solutions	T Data Mining	Execute SQL Query	26 rows. Query time:411ms	
			21106	21112		21101												21100	90117	71110	21102		

Fig. 211



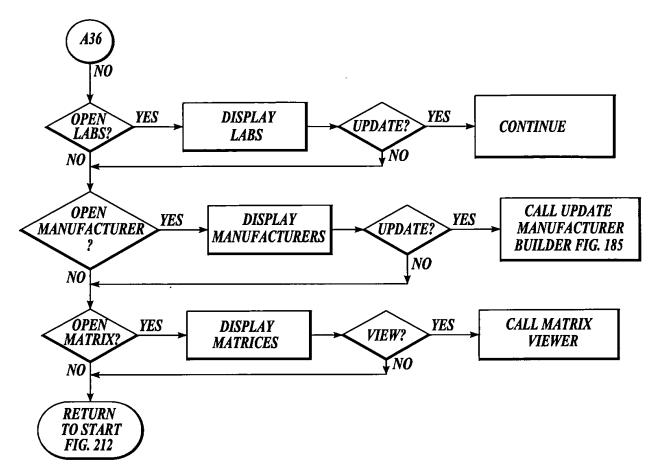
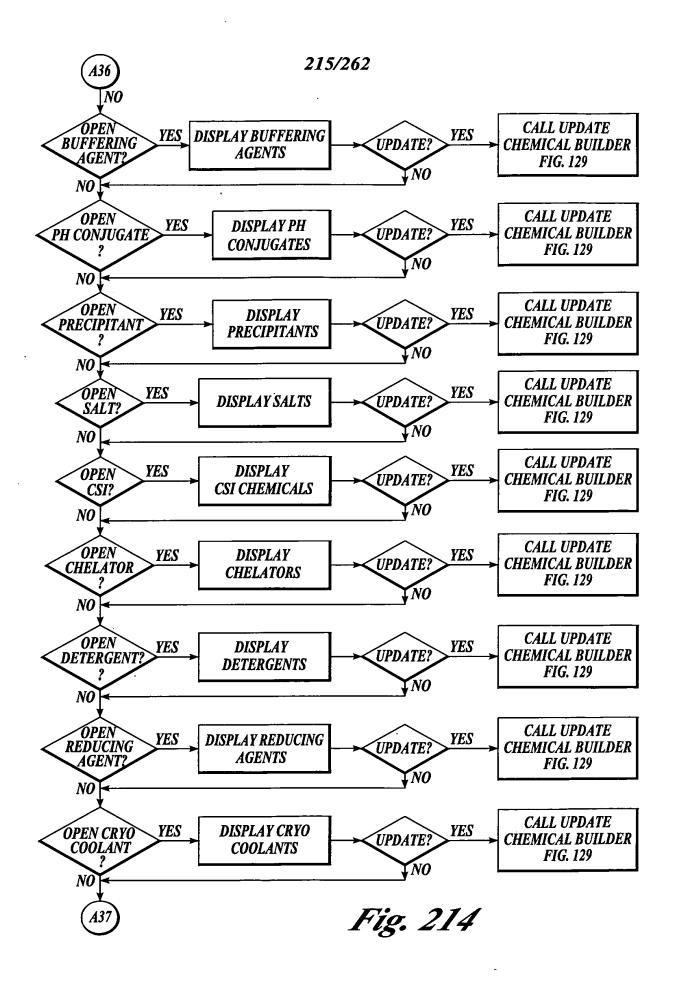
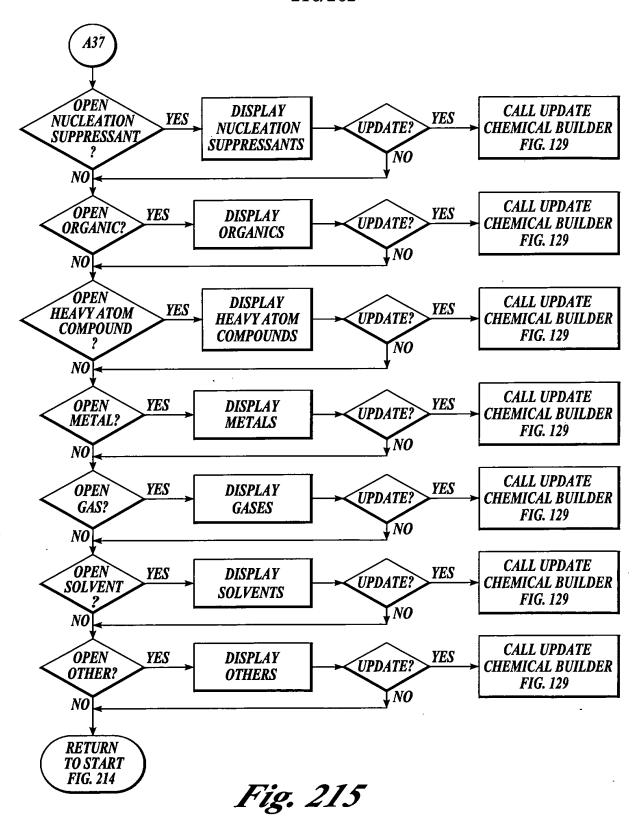
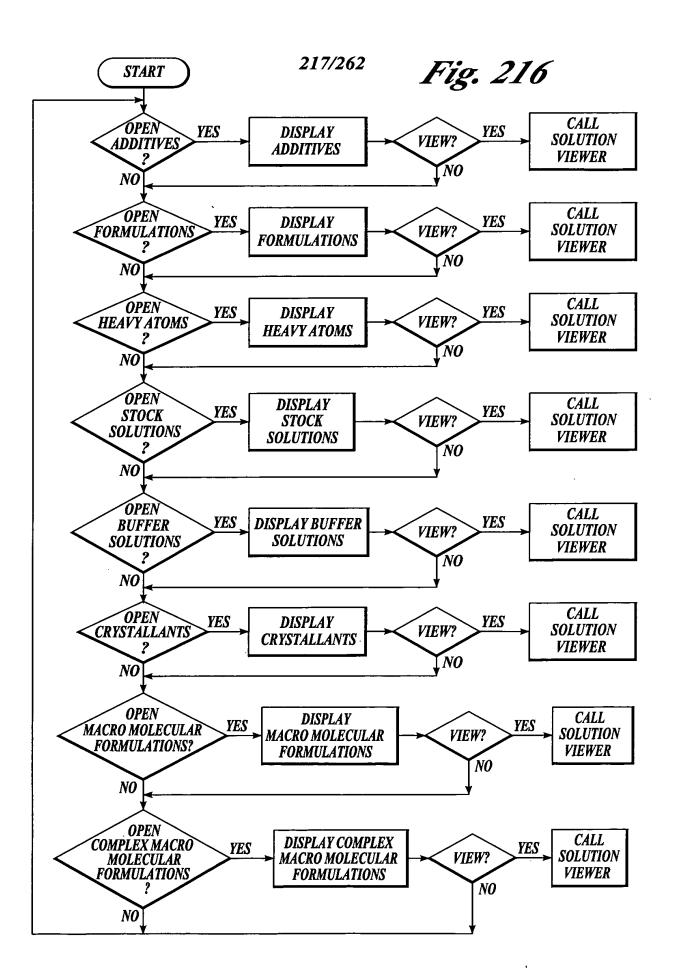


Fig. 213







	Database Object Manager					X D
	Costal Monitor Objects:	Attributes:				
	(a) Sase Objects	Cataloo	CAS	ChemicalName	ShortName	<u>L</u>
	☐ Chemicals	₽ 20.781-0	151-50-8	potassium cyani	KCN	<u>×</u>
	Buffering Agent	78-1970	10025-99-7	potassium tetra	K2PtCl4	¥
	DHConjugate	F1502	103213-47-4	D-fructose 6-ph	K2 D-fructose 6	~
		H7273	21799-87-1	hydroquinonesu	K HQSA	ပ
	j j	HR2-539	6381-59-5	potassium/sodiu	K/Na tatrate	¥
		<b>■</b> HR2-553	0-77-8-777	potassium dihyd	K H2 phosphate	~
	Determent	□ HR2-635	7758-11-4	di-potassium hy	K2 H phosphate	~
	Reducing Agent	P0165	6381-59-5	potassium sodiu	K/Na tartrate	ပ
	CyoCoolant	<u>₽</u> P0662	7778-77-0	potassium phos	K H2 phosphate	~
	NucleationSuppressant	P2569	7789-23-3	potassium fluoride	弘	<b>Y</b>
	Organic	P2713	333-20-0	potassium thioc	KSCN	<u> </u>
	☐ heavyAtomCompound	₽3786	7758-11-4	potassium phos	K2 H phosphate	~
	☐ Metal	<b>■</b> P5708	127-08-2	potassium acetate	KAC	<u> </u>
	- S	<b>■</b> P9333	7447-40-7	potassium chlori	<u>S</u>	~
	Solvent	P9458	7779-80-5	potassium sulfate	K2 sulfate	~
		16897	921-53-9	potassium tartrate	K2 tartrate	~
	⊕ Solutions	<b>▼</b>				
	Execute SQL Query select * f	from chemicals wl	select * from chemicals where chemicalname like '%potass%';	ike '%potass%';	Help	
	16 rows. Query time: 361 ms					111
,					-21700	

Database Object Manager					
Crystal Monitor Objects:	Attributes:				
🕀 🗀 Base Objects	Catalog	CAS	ChemicalName	ShortName	1
☐ Chemicals	<b>■</b> A7330	631-61-8	ammonium acet	NH4 aC	
Buffering Agent	■ HR2-565	631-61-8	ammonium acet	NH4 aC	
	<b>■</b> A6141	1066-33-7	ammonium bicar	NH4 bicarbinate	
	<b>■</b> A5666	12125-02-9	ammonium chlori	NH4 chloride	
<b>,</b>	■ HR2-555	7722-76-1	ammonium dihyd		
<u> </u>	F2004	540-69-2	ammonium form		
Deterrent	<b>■</b> A7455	6484-52-2	ammonium nitrate		
Reducing Agent	■ A1167	7783-28-0	ammonium phos	(NH4)2 H phosp	
CyoCoolant	₽ A2939	7783-20-2	ammonium sulfate	(NH4)2 sulfate	
NucleationSuppressant	A938-500	7783-20-2	ammonium sulfate	(NH4)2 sulfate	
Organic	■ HR2-541	7783-20-2	ammonium sulfate	(NH4)2 sulfate	
☐ heavyAtomCompound	<b>■</b> π0792-5	7783-20-2	ammonium sulfate	(NH4)2 sulfate	
☐ Metal	(学校34////	///seesees	///bacides/colocides////	//Barchitoride/////	
	<b>国 C4705</b>	62-54-4	calcium acetate	CaAc2	
Solvent	III HR2-567	62-54-4	calcium acetate	CaAc2	
•	080S⊃ 	10035-04-8	calcium chloride	CaCl2	<b>b</b>
Solutions ☐ ⊞	<b>▼</b>				
Execute SQL Query				dləH	
77 rows. Query time: 81 ms					\

Fig. 218

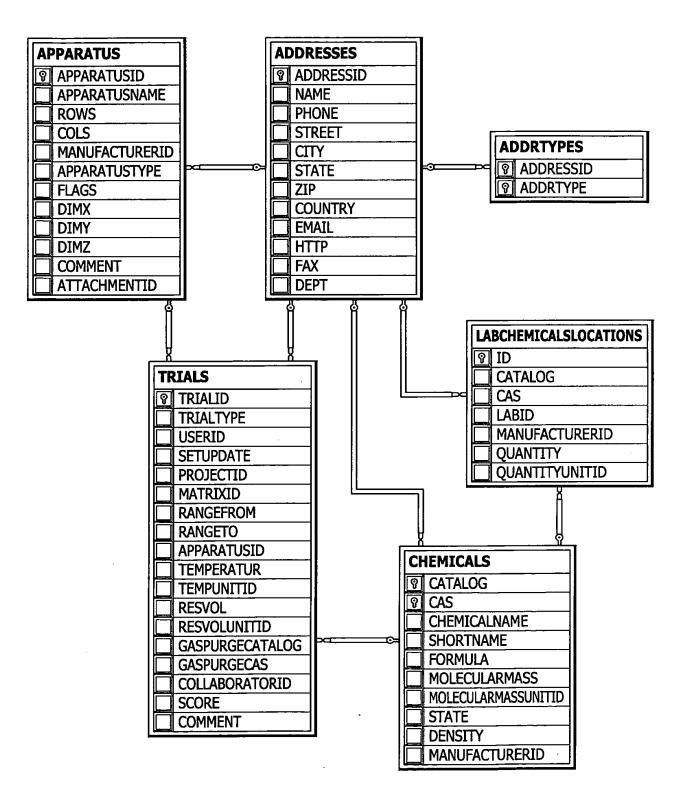
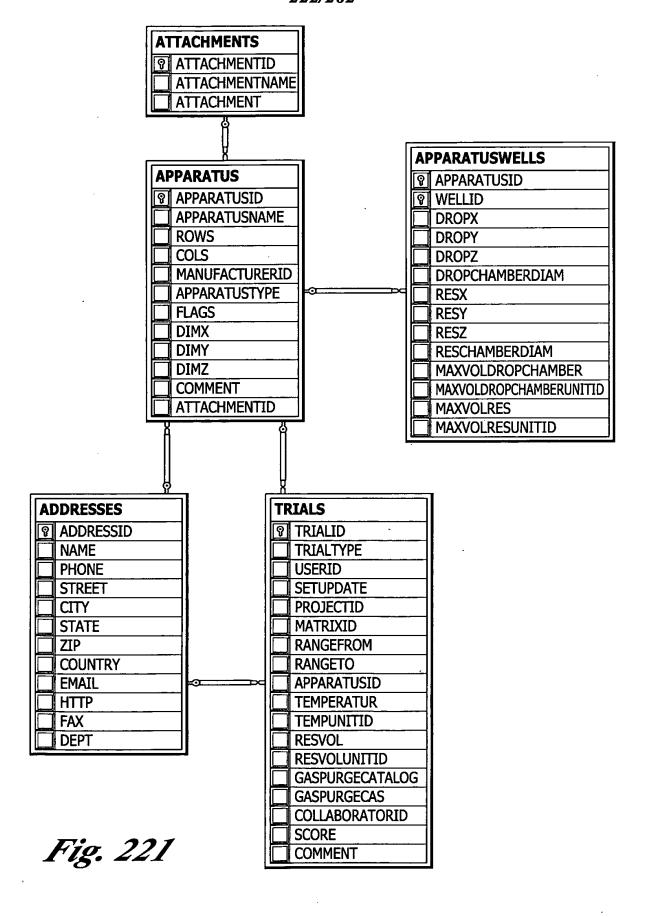


Fig. 219

ΑI	DDRESSES	
ହ	ADDRESSID	
	NAME	
	PHONE	
	STREET	
	CITY	
	STATE	
	ZIP	
	COUNTRY	
	EMAIL	
	HTTP	
	FAX	
	DEPT	
ΑI	DDRTYPES	
০	ADDRESSID	
ष्ट	ADDRTYPE	

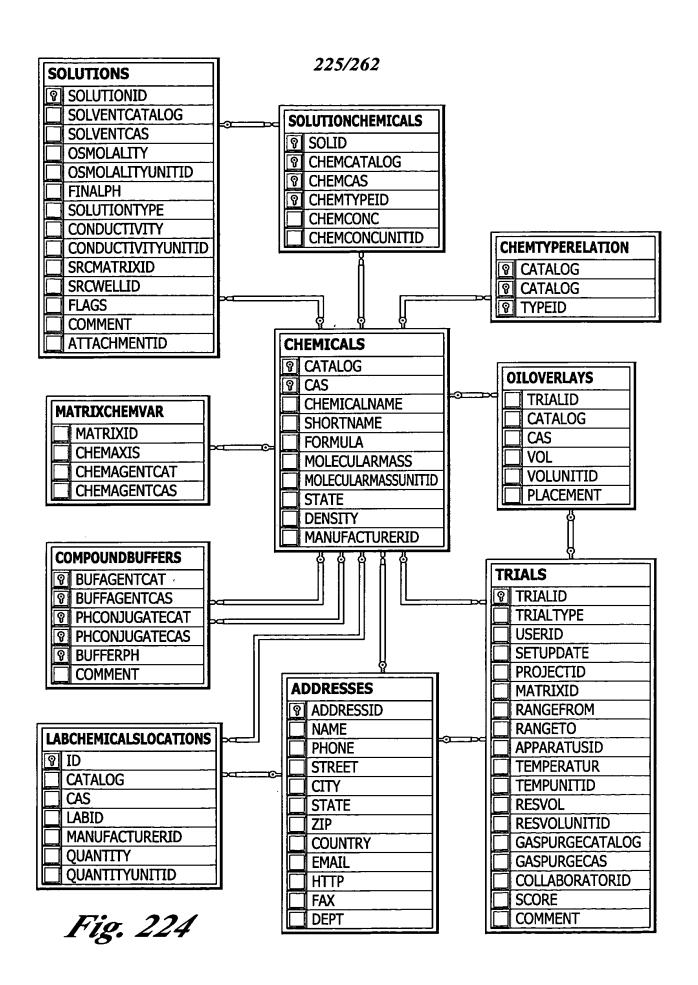
Fig. 220



	APPARATUS
	ি APPARATUSID
	APPARATUSNAME
	ROWS
	COLS
	MANUFACTURERID
	☐ APPARATUSTYPE
	☐ FLAGS
	DIMX
	DIMY
	DIMZ
	COMMENT
	ATTACHMENTID
A	PPARATUSWELLS
ণ্ড	APPARATUSID
ନ୍	WELLID
	DROPX
	DROPY
	DROPZ
	DROPCHAMBERDIAM
L	RESX
L	RESY
L	RESZ
L	RESCHAMBERDIAM
Ļ	MAXVOLDROPCHAMBER
L	MAXVOLDROPCHAMBERUNITID
11	III BAAYVAN DEC
느	MAXVOLRES MAXVOLRESUNITID

		COLUTTONS
		SOLUTIONS
		P SOLUTIONID
		SOLVENTCATALOG
		SOLVENTCAS
	_	OSMOLALITY
ATTACHMENTS		OSMOLALITYUNITID
ি ATTACHMENTID		FINALPH
ATTACHMENTNAME		SOLUTIONTYPE
ATTACHMENT		CONDUCTIVITY
ATTACHITENT		CONDUCTIVITYUNITID
ĺ		SRCMATRIXID
¥		SRCWELLID
APPARATUS		☐ FLAGS
		☐ COMMENT
APPARATUSNAME		□ ATTACHMENTID
ROWS		
COLS		
MANUFACTURERID		
APPARATUSTYPE		
FLAGS		
DIMX		
DIMY		
DIMZ		
COMMENT		
ATTACHMENTID		

Fig. 223



CHEMICALS		
ହା CAS		
CHEMICALNAME		
SHORTNAME		
FORMULA		
MOLECULARMASS		
MOLECULARMASSUNITID		
STATE		
☐ DENSITY		
CHEMTYPERELATION		
CATALOG		
ହ CATALOG		

Fig. 225

SOLUTIONBUFFERS	]	
ি SOLID		
P BUFAGENTCAT		
୭ BUFAGENTCAS		
PHCONJUGATECAT		
PHCONJUGATECAS		
② BUFFERPH		
CHEMCONC		
CHEMCONCUNITID		
	_	
COMPOUNDBUFFERS		MATRIXBUFVAR
ি BUFAGENTCAT		MATRIXID
ହା BUFFAGENTCAS		BUFAXIS
ହା PHCONJUGATECAT	•—————————————————————————————————————	BUFAGENTCAT
ମ PHCONJUGATECAS		BUFAGENTCAS
ଡ଼ି BUFFERPH		PHCONJCAT PHCONJCAS
COMMENT		BUFFERPH
	,	DOLI ENTI
CHEMICALS		
P CATALOG		
CHEMICALNAME		
SHORTNAME		
FORMULA		
MOLECULARMASS		
MOLECULARMASSUNITID		
STATE		
DENSITY		
MANUFACTURERID		

Fig. 226

	DROPSOLUTIONS
CRYSTALLIZATIONDROPS	
□ DROPID	
☐ CRYSTALLANTDROPORDER ———————————————————————————————————	
CRYSTALLANTVOL	DROPORDER
CRYSTALLANTVOLUNITID	VOL
8	VOLUNITID
TRIALDROPS	
TRIALID	
WELLID	
P DROPID	

Fig. 227

	SOLUTIONS
DROPSOLUTIONS  ② DROPID ② SOLID     DROPORDER	SOLUTIONS SOLUTIONID SOLVENTCATALOG SOLVENTCAS OSMOLALITY OSMOLALITYUNITID FINALPH SOLUTIONTYPE
VOLIVOLUNITID	CONDUCTIVITY CONDUCTIVITYUNITID SRCMATRIXID SRCWELLID FLAGS COMMENT
CRYSTALLIZATIONDROPS	ATTACHMENTID
☑ DROPID   ☐ CRYSTALLANTDROPORDER   ☐ CRYSTALLANTVOL   ☐ CRYSTALLANTVOLUNITID	

Fig. 228

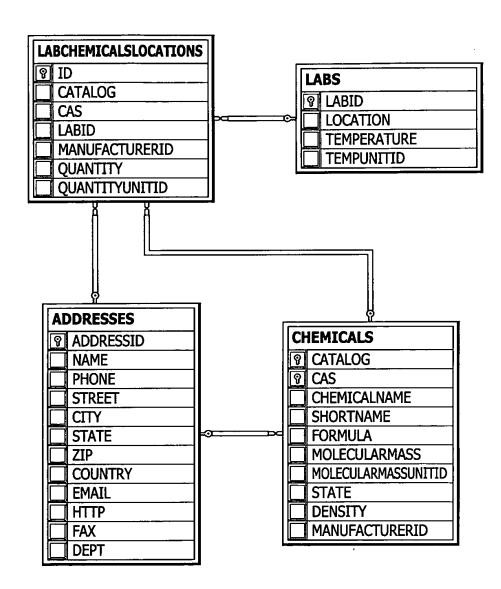


Fig. 229

LABCHEMICALSLOCATIONS		
ি ID		
CATALOG		
CAS		
LABID		
MANUFACTURERID		
QUANTITY		
QUANTITYUNITID		
LABS		
ি LABID		
11121 - 122		
LOCATION		

	MACROMOLECULES
MACROMOLECULECLASSES	ি MACROMOLECULEID
® MACROMOLECULECLASSID	MACROMOLECULENAME
MACROMOLECULECLASSNAME	CLASSID
MACKOMOELCOLECTASSIVAIVE	J PL
Î	COMMENT
SUBUNITS	
ବ SUBUNITS	
SUBUNITNAME	
MASS	
MASSUNITID	
MMCLASSID	
SOURCE	
☐ PL	
COMMENT	

Fig. 231

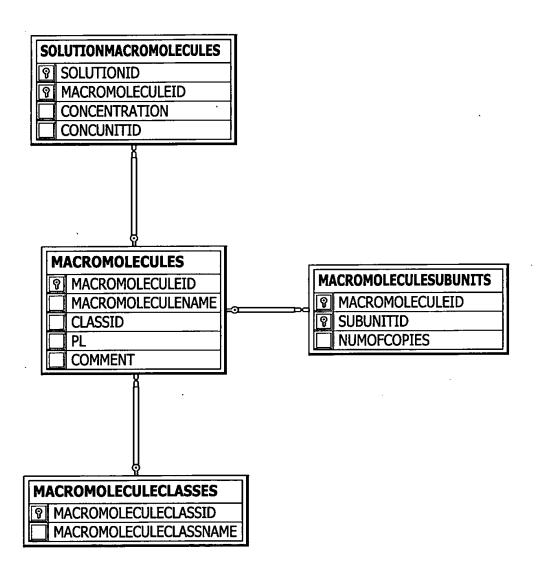


Fig. 232

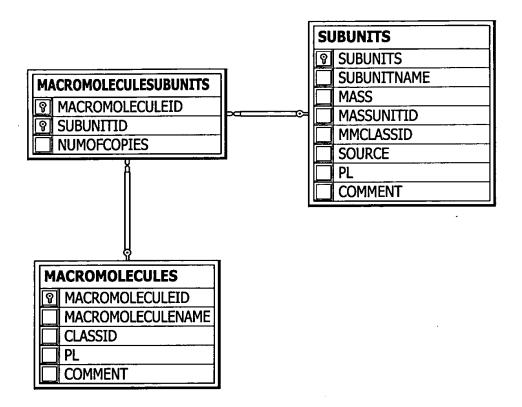


Fig. 233

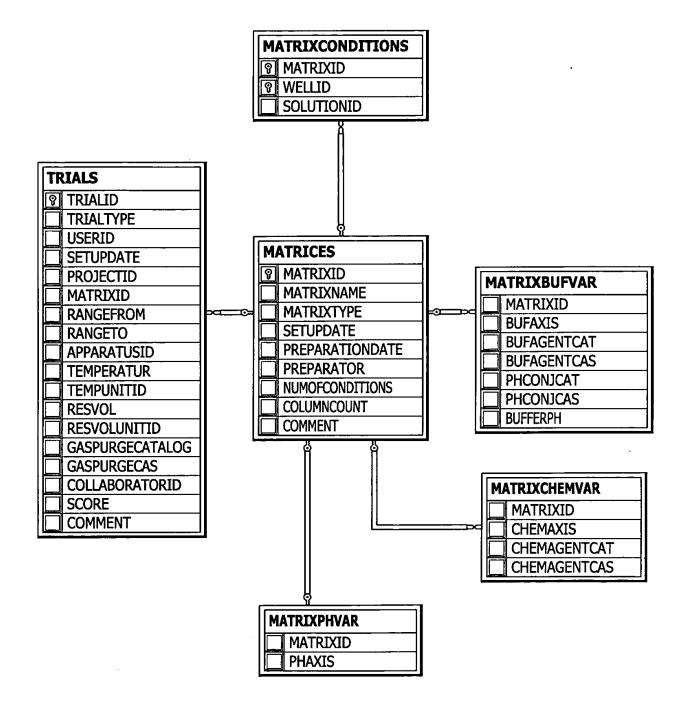


Fig. 234

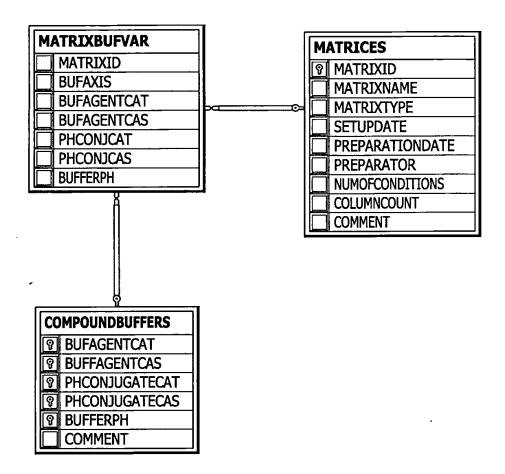


Fig. 235

	_	MATRICES
MATRIXCHEMVAR		
MATRIXID		MATRIXNAME
CHEMAXIS	×	MATRIXTYPE
CHEMAGENTCAT		SETUPDATE
CHEMAGENTCAS		PREPARATIONDATE
X	•	PREPARATOR
•		NUMOFCONDITIONS
		COLUMNCOUNT
		COMMENT
- P	<b>.</b> 1	
CHEMICALS		
ହ CAS	]	
☐ CHEMICALNAME		
SHORTNAME	4	
FORMULA	4	
MOLECULARMASS	1	
MOLECULARMASSUNITID	4	
STATE	-	
DENSITY	-	

Fig. 236

	T	
MATRIXCONDITIONS		SOLUTIONS
MATRIXID	> <del></del>	ি SOLUTIONID
WELLID	~~	SOLVENTCATALOG
SOLUTIONID		SOLVENTCAS
<u> </u>	•	☐ OSMOLALITY
		OSMOLALITYUNITID
		FINALPH
		SOLUTIONTYPE
IJ,		CONDUCTIVITY
MATRICES		CONDUCTIVITYUNITID
		SRCMATRIXID
MATRIXID     MATRIXID		SRCWELLID
MATRIXNAME	_	FLAGS
MATRIXTYPE	-	COMMENT
SETUPDATE		ATTACHMENTID
PREPARATIONDATE		
PREPARATOR		
NUMOFCONDITIONS		
COLUMNCOUNT	·	
COMMENT		

Fig. 237

MATRICES  MATRIXID  MATRIXNAME  MATRIXTYPE  SETUPDATE
MATRIXNAME MATRIXTYPE
MATRIXTYPE
SETUPDATE
☐ PREPARATIONDATE
PREPARATOR
NUMOFCONDITIONS
COLUMNCOUNT
COMMENT
AAATRIVOUNAR
MATRIXPHVAR
MATRIXID

Fig. 238

TRIALS
TRIALID
TRIALTYPE
USERID
SETUPDATE
PROJECTID
MATRIXID
RANGEFROM
RANGETO
☐ APPARATUSID
TEMPERATUR
☐ TEMPUNITID
RESVOL
RESVOLUNITID
GASPURGECATALOG
GASPURGECAS
COLLABORATORID
SCORE
COMMENT
3
OBSERVATIONCOMMENTS
ি TRIALID
ହା SESSIONID
ହ WELLID
☐ COMMENT

Fig. 239

	_
TRIALS	
P TRIALID	
TRIALTYPE	
USERID	
SETUPDATE	
PROJECTID	
MATRIXID	
RANGEFROM	
RANGETO	
APPARATUSID	]
☐ TEMPERATUR	
☐ TEMPUNITID	
☐ RESVOL	
RESVOLUNITID	
GASPURGECATALOG	
GASPURGECAS	]
COLLABORATORID	
☐ SCORE	]
☐ COMMENT	
OBSERVATIONIMAGES	
TRIALID	
থ SESSIONID	
ହ WELLID	
☐ IMAGE	
	_

Fig. 240

## 242/262

TRIALS
ি TRIALID
TRIALTYPE
USERID
SETUPDATE
PROJECTID
MATRIXID
RANGEFROM
RANGETO
☐ APPARATUSID
☐ TEMPERATUR
☐ TEMPUNITID
RESVOL
RESVOLUNITID
GASPURGECATALOG
GASPURGECAS
COLLABORATORID
SCORE
COMMENT
OBSERVATIONS
TRIALID
SESSIONID
WELLID
CRYSTALTYPE
CRYSTALSHAPE
CRYSTALSIZE
CRYSTALCOUNT
☐ FLAGS
SCORE

(
TRIALS
P TRIALID
TRIALTYPE
USERID
☐ SETUPDATE
PROJECTID
☐ MATRIXID
RANGEFROM
RANGETO
APPARATUSID
TEMPERATUR
TEMPUNITID
RESVOL
RESVOLUNITID
GASPURGECATALOG
GASPURGECAS
COLLABORATORID
SCORE
COMMENT
<b>6</b>
OBSERVATIONSESSIONS
▼ TRIALID
থ SESSIONID
RECORDINGDATE

TRIALS
TRIALID
TRIALTYPE
USERID
☐ SETUPDATE
PROJECTID
☐ MATRIXID
RANGEFROM
RANGETO
☐ APPARATUSID
☐ TEMPERATUR
☐ TEMPUNITID
RESVOL
RESVOLUNITID
GASPURGECATALOG
GASPURGECAS
COLLABORATORID
SCORE
COMMENT
OBSERVATIONWAVEFILES
ଡ଼ି TRIALID
ହ SESSIONID
® WELLID
WAVEFILE

Fig. 243

(Ten	741.0	<del>-</del> 1
<u>                                   </u>	IALS	
	TRIALID	<b>-</b> ∥
	TRIALTYPE	<b>⊣</b> l
	USERID	
	SETUPDATE	<b>  </b>
	PROJECTID	<b> </b>
	MATRIXID RANGEFROM	<b>  </b>
	RANGETO	$\dashv$
	APPARATUSID	
	TEMPERATUR	$\dashv$
	TEMPUNITID	<b>  </b>
	RESVOL	$\dashv$
	RESVOLUNITID	<b>⊣</b> [
	GASPURGECATALO	G
	GASPURGECAS	<b>-</b>
	COLLABORATORID	<del>-</del>
	SCORE	
	COMMENT	
<u>'                                    </u>		<u> </u>
[]		
ll .		Į .
CHEMICALS		OILOVERLAYS
ହା CATALOG	┨╸	TRIALID
ি CAS	<b>┤</b> ┃	CATALOG
CHEMICALNAME	┪	CAS
SHORTNAME	╣ / / /	VOL
FORMULA	╣	VOLUNITID
MOLECULARMASS	<b>┧</b>	PLACEMENT
MOLECULARMASSUNITID	1	
STATE	1	
DENSITY		
MANUFACTURERID	]	

Fig. 244

TRIALS
₹ TRIALID
TRIALTYPE
USERID
SETUPDATE
PROJECTID
MATRIXID
RANGEFROM
RANGETO
APPARATUSID
TEMPERATUR
TEMPUNITID
RESVOL
RESVOLUNITID
GASPURGECATALOG GASPURGECAS
COLLABORATORID
SCORE
COMMENT
COMMENT
PROJECTS

ହ PROJECTID

PROJECTNAME COMMENT

**PREPARATORS** 

PREPARATORID
PREPARATORNAME

Fig. 245

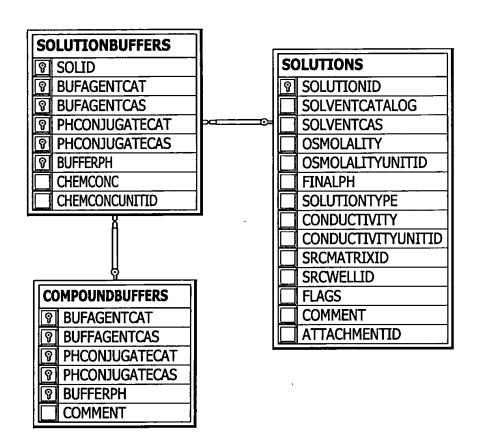


Fig. 247

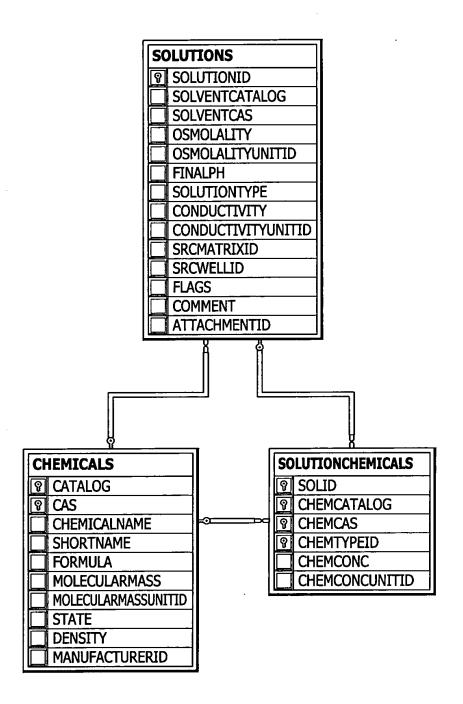


Fig. 248

SOLUTIONMACROMOLECULES		SOLUTIONS
ବ୍ର SOLUTIONID	]	ি SOLUTIONID
MACROMOLECULEID		SOLVENTCATALOG
CONCENTRATION	]	SOLVENTCAS
CONCUNITID	<u>]</u>	OSMOLALITY
<u> </u>		OSMOLALITYUNITID
		FINALPH
		SOLUTIONTYPE
9		CONDUCTIVITY
MACROMOLECULES		CONDUCTIVITYUNITID
থ MACROMOLECULEID		SRCMATRIXID
MACROMOLECULENAME		SRCWELLID
CLASSID		☐ FLAGS
☐ PL		☐ COMMENT
COMMENT		ATTACHMENTID

Fig. 249

	T I	
SOLUTIONMMFPROPS		SOLUTIONS
SOLUTIONID		SOLUTIONID     SOLUTIONID
PREPARATORID		SOLVENTCATALOG
STORAGETEMP	=0===0=	SOLVENTCAS
STORAGETEMPUNITID		☐ OSMOLALITY
PREPDATE		OSMOLALITYUNITID
COMMENT		FINALPH
8	4	SOLUTIONTYPE
		CONDUCTIVITY
<u>\</u>	_	CONDUCTIVITYUNITID
USERS		☐ SRCMATRIXID
ি USERID		☐ SRCWELLID
USERNAME		☐ FLAGS
ROLE		COMMENT
NTACCOUNT		■ ATTACHMENTID
LOGIN	<b> </b>	
PASSWORD		
<u> </u>	<b>'</b> ]	

Fig. 250

SOLUTIONS
SOLUTIONID
SOLVENTCATALOG
SOLVENTCAS
OSMOLALITY
OSMOLALITYUNITID
FINALPH
SOLUTIONTYPE
CONDUCTIVITY
CONDUCTIVITYUNITID
SRCMATRIXID
SRCWELLID
FLAGS
COMMENT
ATTACHMENTID
SOLUTIONNAMES
SOLUTIONID
SOLUTIONNAME

Fig. 251

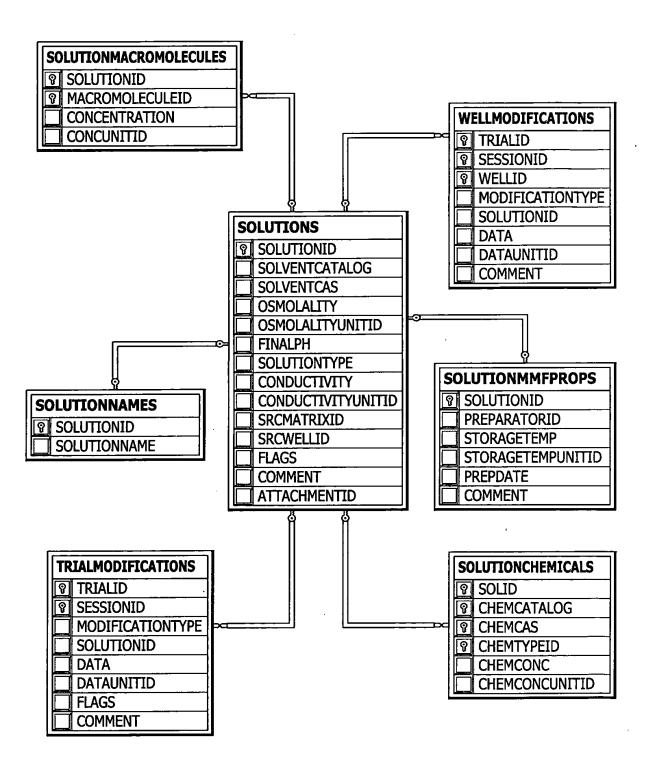


Fig. 252

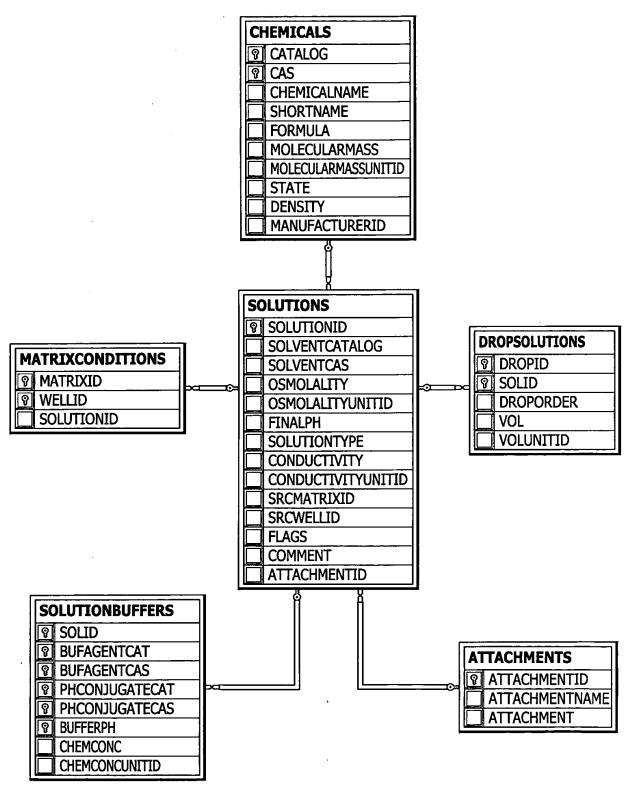


Fig. 253

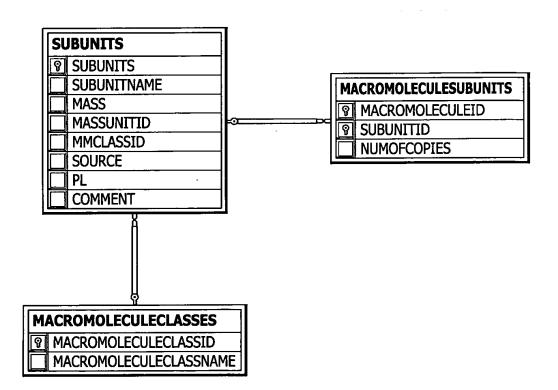


Fig. 254

SYSTEMINFO	
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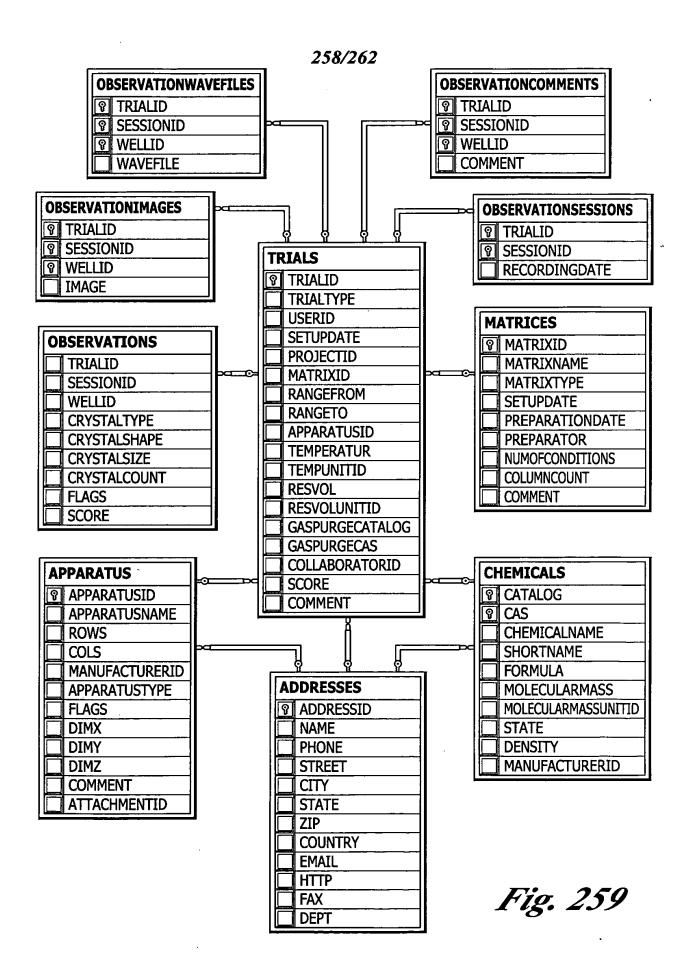
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Fig. 257

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Fig. 258



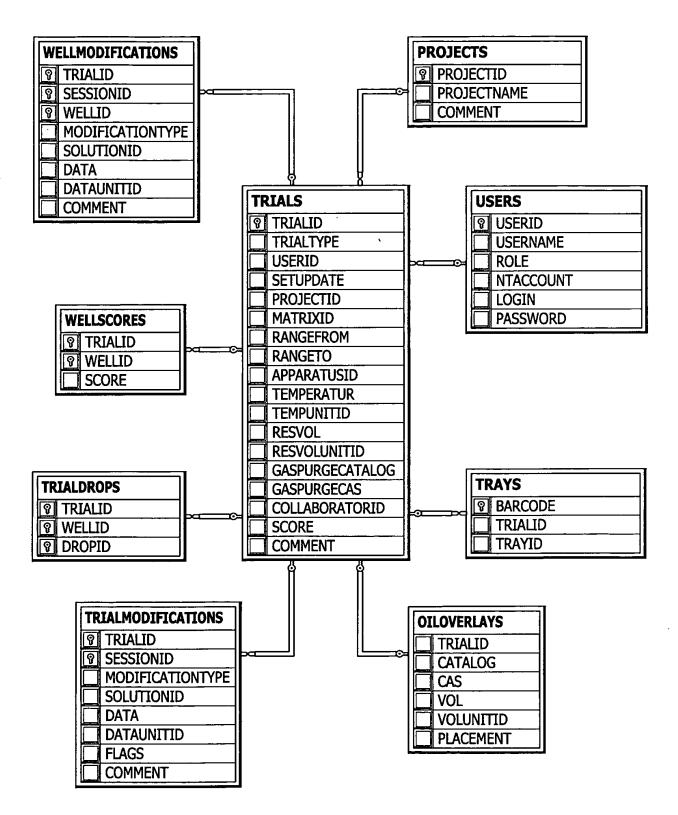


Fig. 260

		TF	RIALS
		ନ	TRIALID
USERS			TRIALTYPE
ଡ଼ା USERID			USERID
USERNAME			SETUPDATE
ROLE	-o		PROJECTID
NTACCOUNT	,		MATRIXID
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Fig. 261

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SOLVENTCATALOG		GASPURGECAS
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Fig. 262

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Fig. 263